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ABSTRACT

This book is designed to aid high school students who plan to go to college, as well as college students and graduates, in making suitable career decisions. It is divided into two parts. The first names 20 typical college majors, and lists under each one a wide range of occupations to which the major can lead. A college graduate having difficulty finding employment in a specific portion can discover additional jobs for which he is qualified. The second part helps to match a student's interests, abilities, and degree of motivation with the requirements of particular careers in the following areas: academic courses; competence in dealing with data, people, and things; and level of education (B.A., M.A., or Ph.D.). It includes a section on sources of career information, through which counselors and libraries can accumulate an up-to-date, authoritative library of career information at little or no cost. (PFS)

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# WHAT CAN I BE?

# A Guide to 525 Liberal Arts and Business Careers

REVIEW COPY
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MARTIN M. BRUCE

U.S. DEPARTMENT OF HEALTH
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

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by
Leo Lieberman, Ed.D.

Martin M. Bruce, Ph.D.
Publishers
New Rochelle, N. Y.

# WHAT CAN I BE?

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MARTIN M. BRUCE

## A guide to 525 Liberal Arts and Business Careers

by
**Leo Lieberman, Ed. D.**
Consulting Psychologist
Chairman Courses in Management Development
American Management Association

Library of Congress Catalog
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New Rochelle, N.Y. 10804

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A Guide to 525 Liberal Arts and Business Careers

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**About the author:**

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Formerly:

- Director of Psychological Services, Suffolk University.
- Counselor, New England Medical Center Rehabilitation Institute.
- Counselor, Boston Committee on Alcoholism.
- Consultant, Unitarian-Universalist Association Curriculum Committee.
- Test Construction Specialist, Massachusetts Civil Service Commission.
- Chairman, Harvard University Graduate School of Education, Doctoral Candidate Group.
- Vocational Guidance Officer, General Staff Corps, U.S. Army.*

Author:

Educational Advisory Manual (five printings).
Series of 106 Occupational Briefs (6,000,000 copies). Co-author and editor.
Non-verbal intelligence test—U.S. Army induction station use.
Leadership manual-sections based on humanistic principles.
Classified Directory of Agencies Serving Alcoholics and Their Relatives.
Driver education articles—National Safety Council; American Youth Magazine.
Psychological tests: Home-School-Job Stress Inventory; Value Ratings Recording Sheets; Alcoholism Effects and Rewards Inventory; Driver Education Test.

*Army Commendation Ribbon for excellence in research.

*To my wife, Ruth—for her human, professional, and editorial insights and collaboration.*

Leo Lieberman

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# TO THE USER

This book, covering 525 careers, can help you be the architect of your own career.

The book is designed to aid high school students who plan to go to college as well as college students and graduates in making suitable career decisions.

*If you are a high school or college student and do not know what you want to be,* turn to:

**PART 1: Twenty Majors and Related Careers.**

Part 1 names 20 typical college majors. Under each is a wide range of occupations to which the major can lead. If there is some particular subject you like, read the entire list of occupations under it. Some of the occupations listed may well prove worth considering by you.

If you are a college graduate who is having difficulty securing employment, consult the list of careers under your major. You will probably find a number of occupations for which you may qualify, occupations you did not previously consider. Some occupations requiring less than a full college education have been included here. These occupations you may wish to consider in times of job shortages although you are better qualified. *If you know what you want to be,* go on to:

**PART 2: 525 Careers and Related Majors, Abilities, Degrees, and Sources of Information**

Part 2 helps you match your interests, abilities, and degree of motivation with what a given career requires in the way of

- academic courses.
- competence in dealing with data, people, and things.
- level of education (bachelor's, master's, or doctoral degree).

The charts in Part 2 provide relatively simple access to complex academic, psychological, and occupational information. You will find these data of significant value in approaching a career decision.

This book covers a broad range of jobs open to persons with higher education. The jobs listed are related to training in liberal arts and business. If you are a major in these fields, or intend to become one, this book will help you get started on the right foot. Undergraduate training in relation to occupation is our concern. References to graduate degrees are made where appropriate, but details of graduate training are best obtained from the relevant departments in undergraduate and graduate schools. For example, if you wish to become an insurance attorney, this volume will spell out for you only the optimal undergraduate major.

The indicated majors are not necessarily the only possible courses that may be followed. You may, for example, be seeking a career in meteorology. There are a few dozen colleges in the United States that offer such a major. But you could very well enter one of the many colleges offering physics as a major, and, guided by a member of that department, take one or more courses offered in meteorology. Such an option would lead you to meeting the qualifications for beginning a career in weather work.

Not all of the multitudinous college specializations are covered in this book. There will be times when it will be wise for you to consult with a counselor or college department member in order to obtain specialized career information.

Counselors and librarians can, by using *Part 2: Sources of Career Information,* accumulate an up-to-date, authoritative library of career information at little or no cost.

# Part 1

## Twenty College Majors and Related Careers

## TWENTY COLLEGE MAJORS

Although you may not know what you want to be, you probably have some idea of school subjects you have liked. Here are twenty common college majors. Look at the list below, and select those subjects you like or think you would enjoy. Then consult the list of careers given under the major or majors you have chosen. These begin on the next page.

Accounting
Biology
Chemistry
Economics
Education
English
Finance and Banking
Government (Political Science)
History
Humanities
Journalism
Languages (Modern)
Management
Marketing
Mathematics
Philosophy
Physics
Psychology
Sociology
Speech

# COLLEGE MAJORS AND RELATED CAREERS

including

"Any Major" and "Secondary Education Concentration"

In the tables that follow are 22 subjects. Listed under each major are the careers to which that subject can lead. Consult the various careers under each major. Select those that you feel you might enjoy. Then turn to *Part 2* for the detailed information you need to understand what is required to attain and succeed in each occupation you selected.

## ACCOUNTING

Accountant
Accountant, Certified Public
Accountant, Tax
Administrative Assistant
Administrator, Contract and Order
Auditor
Budget Officer
Business Manager, College or Univ.
Compliance Investigator
Contract Administrator
Controller
Customs Inspector
Estate Planner
Financial Analyst
Hospital Administrator
Junior Executive
Lawyer, Probate
Manager, Credit and Collection
Manager, Office
Programer, Business
Revenue Agent
Special Agent, F.B.I.
Stock-Control Supervisor
Systems Analyst, Business-Electronic-Data Processing
Tax Attorney
Tax Economist
Teacher, Commercial
Traffic-Rate Clerk
Treasurer

## ANY MAJOR

Acquisition Librarian
*Audiovisual Specialist
Bookmobile Librarian
Catalog Librarian
*Educational Therapist
Faculty Member, College or Univ.
Federal Employee
Foreign Student Advisor

## *ANY MAJOR (Cont'd)*

Headmaster
Lawyer
Librarian
Librarian, Reference
Peace Corps Volunteer
*Principal, Secondary School
Salesman, Publications
*Teacher, Blind
*Teacher, Deaf
*Teacher, Handicapped Children
*Teacher, Homebound
Teacher, Junior College
*Teacher, Mentally Retarded
*Teacher, Secondary School
VISTA Volunteer
Young-Adult Librarian

## BIOLOGY

Anatomist
Anesthesiologist
Anthropologist
Audiologist
Biochemist
Biological Aid
Biologist
Biophysicist
Blood Bank Technologist
Botanist
Cardiologist
Cytologist
Cytotechnologist
Dentist
Dermatologist
Ecologist
Economic Botanist
Entomologist
Food and Drug Inspector
Food Bacteriologist
Geneticist
Gynecologist
Hematology Technologist
Histologist
Industrial Bacteriologist

## *BIOLOGY (Cont'd)*

Industrial Hygienist
Laboratory Tester II
Marine Biologist
Medical Bacteriologist
Medical Librarian
Medical-Record Librarian
Medical Technician
Medical Technologist
Microbiologist
Microbiology Technologist
Museum Technician
Mycologist
Neurologist
Obstetrician
Ophthalmologist
Optometrist
Osteopathic Physician
Otolarynologyst
Parasitologist
Park Ranger
Pathologist
Pediatrician
Pharmaceutical Bacteriologist
Pharmaceutical Detail Man
Pharmacologist
Physician
Physician, General Practice
Physician's Assistant
Physiologist
Plant Ecologist
Plant Pathologist
Podiatrist
Proctologist
Psychiatrist
Psychologist, Clinical
Psychologist, Developmental
Psychologist, Experimental
Public Health Service Officer
Radiologist
Rehabilitation Counselor
Sanitarian
Social Ecologist
Soil Bacteriologist
Speech and Hearing Clinician

*Any of the majors contained in this book, except Philosophy and Elementary Education, generally can lead to certification as a secondary school teacher providing a Secondary Education Concentration is completed also.

*BIOLOGY (Cont'd)*

Speech Correctionist
Speech Pathologist
Statistician, Biological and Agricultural Science
Supervisor, Publications
Surgeon
Teacher, Biology
Tissue Technologist
Translator, Scientific Documents
Urologist
Veterinarian
Zoologist

**CHEMISTRY**

Anesthesiologist
Biochemist
Cardiologist
Chemical Analyst
Chemical-Laboratory Technician
Chemist
Chemist, Analytical
Chemist, Clinical
Chemist, Food
Chemist, Industrial
Chemist, Inorganic
Chemist, Organic
Chemist, Pharmaceutical
Chemist, Physical
Chemist, Polymers
Dentist
Dermatologist
Food and Drug Inspector
Gynecologist
Hematology Technologist
Industrial Hygienist
Laboratory Assistant
Laboratory Tester II
Lawyer, Patent
Medical Technician
Medical Technologist, Chemistry
Museum Technician
Neurologist
Obstetrician
Ophthalmologist
Osteopathic Physician
Otolarynologist
Patent Examiner
Pathologist
Pediatrician
Pharmaceutical Detail Man
Pharmacalogist
Physician
Physician, General Practice
Physician's Assistant
Podiatrist

*CHEMISTRY (Cont'd)*

Proctologist
Psychiatrist
Quality-Control Supervisor
Quality-Control Technician
Radiologist
Sanitarian
Spectroscopist
Supervisor, Publications
Surgeon
Teacher, Chemistry
Translator, Scientific Documents
Urologist
Veterinarian

**ECONOMICS**

Actuary
Administrator, Contract and Order
Archivist, Economic History
Business Agent, Labor Union
City Planning Aid
Contract Administrator
Econometrist
Economic Botanist
Economist
Examiner, Tariff and Schedules
Financial Economist
Foreign Service Officer
Industrial Economist
Industrial-Relations Counselor
Intelligence Specialist
International-Trade Economist
Labor Economist
Labor-Relations Specialist
Manager, Industrial Development
Market-Research Analyst
Operations-Research Analyst
Price Economist
Securities Analyst
Statistician, Business and Economics
Tax Economist
Urban Planner

**ELEMENTARY EDUCATION**

Audiovisual Specialist
Children's Librarian
Counselor, Camp
Principal, Elementary School
Reading Specialist
Teacher, Art
Teacher, Blind
Teacher, Deaf
Teacher, Elementary School
Teacher, Handicapped Children

*ELEMENTARY EDUCATION (Cont'd)*

Teacher, Homebound
Teacher, Kindergarten
Teacher, Mentally Retarded

**ENGLISH**

Abstract Writer
Actor or Actress
Announcer
Announcer, International Broadcast
Appeals Reviewer
Art Critic
Bibliographer
Book Critic
Children's Librarian
Clergyman
Collaborator
Columnist
Comedy Writer
Continuity Writer
Copy Reader
Copy Reader, Book
Copy Writer
Court Clerk
Critic
Cryptanalyst
Director, Advertising
Director, Program
Drama Critic
Dramatic Coach
Dramatic Reader
Editor, Book
Editor, Continuity and Script
Editor, Greeting Card
Editorial Assistant
Editorial Writer
Editor, Magazine
Essayist
Gag Writer
Law Clerk
Law Librarian
Literary Agent
Literary Writer
Magazine Writer
Manuscript Reader
Minister
Missionary
Music Critic
Novelist
Playwright
Poet
Priest
Rabbi
Reader, First
Reporter
Rewriter
Scenario Writer
Script Reader

*ENGLISH (Cont'd)*

Script Writer
Short Story Writer
Teacher, Drama
Teacher, English
Title Writer
Writer
Writer News, International Broadcast
Writer, Technical Publications

**FINANCE**

Actuary
Agent-Contract Clerk
Appraiser
Appraiser, Art
Appraiser, Real Estate
Bank Cashier
Business Broker
Claim Adjuster
Claim Examiner
Controller
Credit Analyst
Credit Investigator
Editor, Financial
Escrow Officer
Estate Planner
Financial Analyst
Financial Economist
Foreign Exchange Code Clerk
Foreign-Exchange Trader
Insurance Adjuster
Insurance Attorney
Insurance Broker
Insurance Examiner
Junior Executive
Lawyer, Corporation
Lawyer, Probate
Lawyer, Real Estate
Loan Officer
Manager, Branch Bank
Manager, Consumer Credit
Manager, Credit and Collection
Manager, Distribution Warehouse
Manager, Financial Institution
Manager, Franchise Promotion
Manager, Industrial Development
Manager, Insurance
Manager, Insurance Office
Manager, Statement Clerks
Manager, Traffic
Manager, Trust Company
Operations Officer
Real-Estate Broker
Real-Estate Utilization Officer
Right-of-Way Agent
Salesman, Financial Service

*FINANCE (Cont'd)*

Salesman, Insurance
Salesman, Real Estate
Salesman, Securities
Securities Analyst
Securities Trader
Special Agent, Group Insurance
Statistician, Financial
Supervisor, Credit Union
Teacher, Commercial
Teller, Foreign Exchange, Head
Teller, Head
Title Examiner
Treasurer
Trust Officer
Underwriter

**GOVERNMENT**

Archivist, Political History
City-Planning Aid
Customs Agent
Customs Enforcement Officer
Customs Inspector
Customs Inspectress
Customs Officer
Executive Vice President, Chamber of Commerce
Foreign Service Officer
Immigration Inspector
Industrial-Relations Counselor
Intelligence Specialist
International-Relations Specialist
Labor-Relations Specialist
Lawyer, Civil
Manager, City
Manager, World Trade
Political Geographer
Political Scientist
Solicitor, City or State
Urban Planner
Vererans' Claims Representative

**HISTORY**

Archivist
Archivist, Economic History
Archivist, Political History
Biographer
Director, State Historical Society
Genealogist
Historian
Historian, Dramatic Arts
Museum Technician
Park Ranger
Supervisor, Historic Sites
Teacher, History

**HUMANITIES**

Appraiser, Art
Archeologist
Art Critic
Art Librarian
Clergyman
Critic
Curator, Art Gallery
Drama Critic
Ethnologist
Historian, Dramatic Arts
Minister
Missionary
Museum Technician
Music Critic
Priest
Rabbi
Recreation Leader
Supervisor, Historic Sites
Teacher, Art
Teacher, Humanities

**JOURNALISM**

Account Executive
Advertising Assistant
Announcer
Announcer, International Broadcast
Book Critic
Collaborator
Columnist
Continuity Writer
Copy Reader
Copy Reader, Book
Copy Writer
Critic
Direct Mail Specialist
Director, Advertising
Director, Program
Drama Critic
Editor, Book
Editor, City
Editor, Continuity and Script
Editor, Department
Editor, Film
Editor, Financial
Editor, Foreign News Broadcast
Editorial Assistant
Editorial Writer
Editor, Index
Editor, Magazine
Editor, Managing, Newspaper
Editor, News
Editor, Newspaper
Editor, News Photograph
Editor, Picture
Editor, Sports
Editor, Telegraph
Editor, Trade-or-Technical Journal

*JOURNALISM (Cont'd)*

Film Libarian
Foreign Correspondent
Foreign News Translator
Foreign Service Officer
Gag Writer
Magazine Writer
Manager, Advertising
Manager, News, Special Events and Public Affairs
Manuscript Reader
News Analyst, Broadcast
News Specialist, Syndicate
Photographer, News
Producer
Production Manager, Advertising
Public Health Educator
Public-Relations Man
Reader, First
Reporter
Salesman, Advertising
Salesman, Radio and Television
Script Reader
Script Writer
Sports Announcer
Supervisor, Publications
Teacher, Journalism
Title Writer
Writer
Writer-Announcer, Bilingual International Broadcast
Writer News, International Broadcast
Writer, Technical Publications

**LANGUAGES**

(+means Languages are auxiliary to other majors)
Airplane Steward or Stewardess+(Flight Attendant)
Announcer+
Announcer, International Broadcast
Case Aid+
Case Worker+
Case Worker, Child Welfare+
Case Worker, Family+
Child Care Attendant+
Community Organization Worker+
Community-Relations-and-Services Advisor, Public Housing+
Customs Enforcement Officer+
Customs Inspector+
Customs Inspectress+
Customs Officer+
Editor, Foreign News, Broadcast+

*LANGUAGES (Cont'd)*

Foreign Clerk
Foreign Correspondent
Foreign-Exchange Code Clerk+
Foreign-Exchange Trader+
Foreign-Language Stenographer+
Foreign News Translator
Foreign Service Officer+
Foreign Student Advisor+
Group Worker+
Hospital Admitting Clerk+
Immigration Inspector+
Importer-Exporter+
Intelligence Specialist+
International-Relations Specialist+
International-Trade Economist+
Interpreter
Interviewer and Claims Adjuster+
Interviewer, Housing Project+
Linguistic Scientist
Manager, Export+
Manager, Industrial Development+
Manager, World Trade+
Manufacturers' Representative+
Missionary+
Parole Officer+
Probation Officer+
Program Aid, Group Work+
Program Director, Group Work+
Public Health Educator+
Public Health Service Officer+
Social Group Worker+
Social Worker, Delinquency Prevention+
Social Worker, Medical+
Social Worker, Psychiatric+
Social Worker, School+
Teacher, Foreign Language
Teller, Foreign Exchange, Head+
Traffic Rate Clerk+
Translator
Translator, Radio Communications
Translator, Scientific Documents+
Travel Clerk+
Writer-Announcer, Bilingual International Broadcast+
Writer, News, International Broadcast

**MANAGEMENT**

Administrative Assistant
Administrator, Contract and Order

*MANAGEMENT (Cont'd)*

Association Executive
Auditor
Business Agent, Labor Union
Business Enterprise Specialist
Business Librarian
Business Manager, College or Univ.
Claims Taker, Unemployment Benefits
Contract Administrator
Director, Industrial Relations
Director of Institutional Research
Director of Placement
Director, Training
Director, Volunteer Services
Editor, Trade-or-Technical Publ.
Employment Interviewer
Executive Vice President, Chamber of Commerce
General Services Officer
Hospital Administrator
Industrial Economist
Industrial-Relations Counselor
Job Analyst
Junior Executive
Labor-Relations Specialist
Lawyer, Corporation
Manager, Advertising
Manager, Apartment House
Manager, Branch
Manager, City
Manager, Club
Manager, Convention
Manager, Dept. Chamber of Commerce
Manager, Distribution Warehouse
Manager, Electronic-Data Processing
Manager-Employment
Manager, Franchise Promotion
Manager, Front Office
Manager, Hotel
Manager, Industrial Development
Manager, Office
Manager, Operations
Manager, Personnel
Manager, Plant
Manager, Promotion
Manager, Property
Manager, Recreation Establishment
Manager, Traffic
Manager, Trainee
Manager, Warehouse
Material Coordinator

*MANAGEMENT (Cont'd)*

Operations Officer
Park Ranger
Personnel Recruiter
Placement Officer
Production Coordinator
Production Planner
Production Superintendent
Programer, Business
Public Health Service Officer
Salary and Wage Administrator
Stock Supervisor
Superintendent, Building
Superintendent, Institution
Supervisor, Historic Sites
Supervisor, Terminal
Systems Analyst, Business-Electronic-Data Processing
Teacher, Commercial
Traffic-Rate Clerk
Training Instructor
Training Supervisor

**MARKETING**

Account Executive
Administrative Assistant
Administrator, Contract and Order
Advertising Assistant
Business Enterprise Specialist
Buyer
Buyer, Assistant
Buyer, Time and Space
Contract Administrator
Copy Writer
Direct Mail Specialist
Director, Advertising
Director, Sales Education
Examiner, Tariff and Schedules
Foreign Clerk
Foreign Service Officer
Importer-Exporter
Industrial Economist
Insurance Broker
International-Trade Economist
Junior Executive
Manager, Advertising
Manager, Branch
Manager, Circulation
Manager, Convention
Manager, Distribution Warehouse
Manager, Export
Manager, Franchise Promotion
Manager, Industrial Development
Manager, Merchandise
Manager, Operations
Manager, Promotion
Manager, Sales

*MARKETING (Cont'd)*

Manager, Store
Manager, Surplus Property
Manager, Traffic
Manager, Trainee
Manager, Utility Sales and Service
Manager, Vehicle Leasing and Rental
Manager, Warehouse
Manager, World Trade
Manufacturers' Representative
Market-Research Analyst
Pharmaceutical Detail Man
Production Manager, Advertising
Property-Disposal Officer
Property-Rental Agent
Property-Utilization Officer
Public Relations Man
Purchasing Agent
Salesman (Sales Representative)
Salesman, Advertising
Salesman, Automobile
Salesman, Financial Service
Salesman, General
Salesman, Insurance
Salesman, Radio and Television Time
Salesman, Real Estate
Saleswoman
Special Agent, Group Insurance
Stock Supervisor
Superintendent, Sales
Teacher, Commercial
Ticket Agent
Traffic-Rate Clerk
Travel Clerk
Wholesaler

**MATHEMATICS**

Actuary
Computer Operator
Demographer
Econometrist
Information Scientist
Manager, Electronic-Data Processing
Mathematical Technician
Mathematician
Museum Technician
Operations-Research Analyst
Programer, Business
Programer, Technical
Securities Analyst
Statistician, Applied
Statistician, Biological and Agricultural Science
Statistician, Business and Economics

*MATHEMATICS (Cont'd)*

Statistician, Financial
Statistician, Mathematical
Statistician, Opinion Polling
Statistician, Physical Science and Engineering
Statistician, Social Science
Statistician, Vital
Supervisor, Publications
Systems Analyst, Business-Electronic-Data Processing
Systems Analyst, Engineering-Scientific
Teacher, Mathematics
Translator, Scientific Documents

**PHILOSOPHY**

Abstract Writer
Book Critic
Clergyman
Collaborator
Columnist
Copy Reader, Book
Critic
Cryptanalyst
Disc Jockey
Drama Critic
Editorial Assistant
Editorial Writer
Essayist
Information Scientist
Junior Executive
Literary Writer
Magazine Writer
Manager, Trainee
Manuscript Reader
Minister
Missionary
Novelist
Playwright
Poet
Priest
Rabbi
Rewriter
Short Story Writer

**PHYSICS**

Astronomer
Biophysicist
Chemist, Physical
Geologist
Geophysicist
Hydrologist
Industrial Hygienist
Laboratory Assistant
Lawyer, Patent
Meteorologist
Mineralogist

*PHYSICS (Cont'd)*

Museum Technician
Oceanographer, Geological
Oceanographer, Physical
Patent Examiner
Physicist
Physicist, Acoustics
Physicist, Atomic and Nuclear
Physicist, Electricity and Magnetism
Physicist, Electronics
Physicist, Heat
Physicist, Light
Physicist, Mechanics
Physicist, Nuclear
Physicist, Solid State
Physicist, Theoretical
Programer, Technical
Quality-Control Supervisor
Quality-Control Technician
Statistician, Physical Science and Engineering
Supervisor, Publications
Systems Analyst, Engineering-Scientific
Teacher, Physics
Translator, Scientific Documents
Weather Forecaster
Weather Observer
Writer, Technical Publications

**PSYCHOLOGY**

Advertising Assistant
Agent-Contract Clerk
Airplane Steward or Stewardess (Flight Attendant)
Audiologist
Audiovisual Specialist
Biographer
Business-Enterprise Specialist
Case Aid
Case Worker
Case Worker, Child Welfare
Case Worker, Family
Child-Care Attendant
Clergyman
Community Organization Worker
Correction Officer
Counselor
Counselor, College
Counselor, School
Court Clerk
Criminologist
Dean of Students
Director, Evaluation and Research

*PHYCHOLOGY (Cont'd)*

Director, Extension Work
Director of Guidance, Public Schools
Director of Institutional Research
Director of Student Affairs
Director, Religious Education
Director, Training
Director, Volunteer Services
Educational Therapist
Employment Interviewer
Group Worker
Guidance Counselor
Hospital Admitting Clerk
Hospital Librarian
Intelligence Specialist
Job Analyst
Lawyer, Criminal
Management Aid
Manager, Trainee
Market-Research Analyst
Medical Librarian
Minister
Missionary
Park Ranger
Parole Officer
Penologist
Personnel Recruiter
Placement Officer
Priest
Probation Officer
Psychiatrist
Psychologist, Clinical
Psychologist, Counseling
Psychologist, Developmental
Psychologist, Educational
Psychologist, Experimental
Psychologist, Industrial
Psychologist, School
Psychologist, Social
Psychometrist
Public Health Educator
Public Health Service Officer
Rabbi
Reading Specailist
Rehabilitation Counselor
Residence Counselor
Social Group Worker
Social Worker, Psychiatric
Speech and Hearing Clinician
Speech Correctionist
Speech Pathologist
Statistician, Opinion Polling
Statistician, Social Science
Training Instructor
Training Supervisor
Vocational Counselor

**SECONDARY EDUCATION CONCENTRATION***

Audiovisual Specialist
Counselor, Camp
Director, Evaluation and Research
Director, Extension Work
Director of Guidance, Public Schools
Director, Religious Education
Director, Training
Educational Supervisor, Penal Institution
Educational Therapist
Film Librarian
Guidance Counselor
Principal, High School
Public Health Educator
Reading Specialist
Teacher, Art
Teacher, Biology
Teacher, Blind
Teacher, Chemistry
Teacher, Commercial
Teacher, Deaf
Teacher, Drama
Teacher, English
Teacher, Foreign Language
Teacher, Handicapped Children
Teacher, History
Teacher, Homebound
Teacher, Humanities
Teacher, Journalism
Teacher, Mathematics
Teacher, Physics
Teacher, Secondary School
Teacher, Speech
Training Instructor
Training Supervisor

**SOCIOLOGY**

Administrator, Social Welfare
Anthropologist
Archeologist
Case Aid
Case Worker
Case Worker, Child Welfare
Case Worker, Family
Child-Care Attendant
City Planning Aid
Community Organization Worker
Community-Relations-and-Services Advisor, Public Housing
Correction Officer
Counselor, Camp

*A Secondary Education Concentration does not require as many semester hours of credit as an academic major: nor does it replace a major. Generally it is required for certification as a teacher in secondary school.

*SOCIOLOGY (Cont'd)*

Criminologist
Demographer
Detective
Director, Volunteer Services
Educational Supervisor, Penal Institution
Ethnologist
Foreign Service Officer
Group Worker
Hospital Admitting Clerk
Industrial Sociologist
Interviewer and Claims Adjuster
Interviewer Housing Project
Job Analyst
Lawyer, Civil
Lawyer, Criminal
Management Aid
Museum Technician
Park Ranger
Parole Officer
Patrolman
Penologist
Position Classifier
Probation Officer
Program Aid, Group Work
Program Director, Group Work
Psychologist, Social
Public Health Educator
Public Health Service Officer
Recreation Leader
Rehabilitation Counselor

*SOCIOLOGY (Cont'd)*

Reporter
Rural Sociologist
Salary and Wage Administrator
Social Ecologist
Social Group Worker
Social Pathologist
Social Worker
Social Worker, Delinquency Prevention
Social Worker, Medical
Social Worker, Psychiatric
Social Worker, School
Sociologist
State-Highway Patrolman
Statistician, Opinion Polling
Statistician, Social Science
Urban Planner
Urban Sociologist

**SPEECH**

Actor or Actress
Announcer
Announcer, International Broadcast
Audiologist
Copy Writer
Director, Program
Director, Sales Education
Director, Stage
Disc Jockey

*SPEECH (Cont'd)*

Drama Critic
Dramatic Coach
Dramatic Reader
Manager, Sales
Motion Picture Narrator
News Analyst, Broadcast
Playwright
Poet
Public Relations Man
Reporter
Salesman (Sales Representative)
Salesman, Advertising
Salesman, Automobile
Salesman, Financial Service
Salesman, General
Salesman, Insurance
Salesman, Radio and Television Time
Salesman, Real Estate
Salesman, Securities
Saleswoman
Script Writer
Short Story Writer
Speech and Hearing Clinician
Speech Correctionist
Speech Pathologist
Sports Announcer
Teacher, Drama
Teacher, Speech
Writer-Announcer, Bilingual International Broadcast

# Part 2

525

Careers

and

Related

Majors,

Abilities,

Degrees,

and

Sources

of

Information

# OCCUPATIONAL TITLES AND DESIRABLE COLLEGE MAJORS

Part 2 offers a list of 525 occupations, each followed by notations as to majors that can be pursued in one or more of four general areas—business, humanities, natural science, or social science.

Look at the chart that follows.

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Actuary 020.188 | Finance | | Mathematics | Economics |
| Anesthesiologist 070.108 | | | Biology Chemistry | |

## Occupational Title and Code Number

The first column lists in alphabetical order 525 occupational titles and their code numbers as listed in the *Dictionary of Occupational Titles: Part 1.** A few additional titles, not listed in the Dictionary, have been included to aid you.

Whenever the cluster of academic courses or kinds of abilities in an occupation interests you, consult the *Dictionary of Occupational Titles* to get an authoritative description of the nature of the work in that occupation. Failure to understand those responsibilities and duties that are vital in an occupation could lead to making an unwise choice or overlooking a meaningful selection.

Where the *Dictionary* offers a vague title as the major one and gives an alternate title that provides a clearer clue to the nature of the work, the alternate title is listed here. In the *Dictionary* the alternate title will lead you to the major title.

Be sure that the code number as well as the title presented here match those in the *Dictionary*. Unless the code numbers match, you may well be reading about some other occupation.

## DESIRABLE COLLEGE MAJORS

The four academic areas covered here are:

Business, Humanities, Natural Science, and Social Science.

The twenty college majors they encompass are distributed as follows:

| **Business** | **Humanities** | **Natural Science** | **Social Science** |
|---|---|---|---|
| Accounting | English | Biology | Economics |
| Finance | Humanities | Chemistry | Education |
| Management | Journalism | Mathematics | Government |
| Marketing | Languages | Physics | History |
| | Philosophy | | Psychology |
| | Speech | | Sociology |

In the rows following the occupational titles are those majors that provide relevant preparation. Example:

| | | | | |
|---|---|---|---|---|
| Actuary 020.188 | Finance | | Mathematics | Economics |

*U.S. Government Printing Office, Superintendent of Documents, Washington, D. C. 20402. Compiled by the U.S. Department of Labor, Manpower Administration.

If more than one major is given for an occupation, discuss the choices with a teacher or professor in the subject field, or with a counselor. They may be able to tell you, in light of your career interests, which major or combination of majors would be most useful to you. Also seek suggestions on how to combine courses from both majors to present the best possible academic foundation to a future employer. For example, a professor might suggest that you prepare to become an actuary by majoring in mathematics along with taking courses in insurance in the Finance Department.

A plus mark "+" to the right of an academic subject indicates an allied subject that should be taken as a supplement to the listed major or majors.

Now consider the chart that follows. Note the headings in each column.

## ABILITIES, DEGREES, AND SOURCES OF INFORMATION

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELORS | MASTER'S | DOCTORATE | SOURCE OF INFORMATION |
| High | Low | Low | B | M | | 3,5,107 |
| High | Very High | Low | | | D | 4(319) |

### Level of Ability Dealing with Data—People—Things

The column on Level of Ability describes the job's requirements in dealing with data, people, and things. These are expressed in terms of levels of ability coded in the manner of the Dictionary of Occupational Titles as follows:

Very High = 0
High = 1-3
Average = 4-6
Low = 7-8

Let's consider the occupation of surgeon. The last three digits in the code number for surgeon are 101. The minimal desirable levels of competence suggested for this medical specialty are:

1 High level of competence in dealing with *data*.
0 Very high level of competence in dealing with *people*.
1 High level of competence in dealing with *things*.

*Dictionary of Occupational Titles* definitions of the last three digits of the six digit code numbers follow:

| DATA (4th digit) | PEOPLE (5th digit) | THINGS (6th digit) |
|---|---|---|
| 0 Synthesizing | 0 Mentoring | 0 Setting-up |
| 1 Coordinating | 1 Negotiating | 1 Precision Working |
| 2 Analyzing | 2 Instructing | 2 Operating-Controlling |
| 3 Compiling | 3 Supervising | 3 Driving-Operating |
| 4 Computing | 4 Diverting | 4 Manipulating |
| 5 Copying | 5 Persuading | 5 Tending |
| 6 Comparing | 6 Speaking-Signaling | 6 Feeding-Offbearing |
| 7 No significant | 7 Serving | 7 Handling |
| 8 relationship | 8 No significant relationship | 8 No significant relationship |

The definitions of Data—People—Things, and the upper levels of competence for Data and People as presented in the Dictionary of Occupational Titles: Part II, Appendix A, are given below:

DATA: Information, knowledge, and conceptions, related to data, people, or things, obtained by observation, investigation, interpretation, visualization, mental creation; incapable of being touched; written data take the form of numbers, words, symbols; other data are ideas, concepts, oral verbalization.

0 **Synthesizing:** Integrating analyses of data to discover facts and/or develop knowledge concepts or interpretations.
1 **Coordinating:** Determining time, place, and sequence of operations or action to be taken on the basis of analysis of data; executing determinations and/or reporting on events.
2 **Analyzing:** Examining and evaluating data. Presenting alternative actions in relation to the evaluation is frequently involved.
3 **Compiling;** Gathering, collating, or classifying information about data, people, or things. Reporting and/or carrying out a prescribed action in relation to the information is frequently involved.

PEOPLE: Human beings; also animals dealt with on an individual basis as if they were human.

0 **Mentoring:** Dealing with individuals in terms of their total personality in order to advise, counsel, and/or guide them with regard to problems that may be resolved by legal, scientific, clinical, spiritual, and/or other professional principles.
1 **Negotating.** Exchanging ideas, information, and opinions with others to formulate policies and programs and/or arrive jointly at decisions, conclusions, or solutions.
2 **Instructing:** Teaching subject matter to others, or training others (including animals) through explanation, demonstration, and supervised practice; or making recommendations on the basis of technical disciplines.
3 **Supervising:** Determining or interpreting work procedures for a group of workers, assigning specific duties to them, maintaining harmonious relations among them, and promoting efficiency.

THINGS: Inanimate objects as distinguished from human beings; substances or materials; machines, tools, equipment; products. A thing is tangible and has shape, form, and other physical characteristics.

## Degree of Education Required or Desirable

This column indicates the level of academic training required or desirable either by law or professional standards. the level is presented in terms of college or graduate degree required for employment. Read the career literature noted in the last column to learn what the law requires for licensing or certification as well as the limitations in employment and practice imposed on those with lesser degrees of training. The level or levels of education specified in this column may be looked at in terms of:

1. "What is the minimum amount of education I need to qualify for entrance into the occupation?"
2. "How far can I go up the educational ladder in preparing for and advancing in the occupation?"

Perserverance and motivation are important here. How much education are you willing to pursue? In answering this question, leave your options open. People often decide to continue their education to get a higher degree once they become interested in a field or find that with more education there are more opportunities for advancement and higher pay.

Review the appropriate literature specified in *Part 3: Sources of Career Information* to learn about both required and desirable degrees for particular occupations.

## Sources of Information

The last column lists for each occupational title those professional associations and government agencies that have been verified by personal contact as providing career information. Two hundred and forty-four sources are numbered and listed alphabetically. Most of the literature is either free or inexpensive.

Parenthetical numbers in this column specify particular pamphlets issued by the agency noted. Include the parenthetical number in your letter or request for information to assure receiving the proper pamphlet.

A few job titles are in a state of flux. These are titles that note sex identification, viz., stewardess. An occasional parenthetical note is made where appropriate, but this book consistently uses the current Dictionary of Occupational Titles for accuracy and consistency.

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Abstract Writer 119.288 | | English Philosophy | | |
| Accountant 160.188 | Accounting | | | |
| Accountant, Certified Public 160.188 | Accounting | | | |
| Accountant, Tax 160.188 | Accounting | | | |
| Account Executive 164.168 | Marketing | Journalism | | |
| Acquisitions Librarian 100.288 | Any Major | Any Major | Any Major | Any Major |
| Actor or Actress 150.048 | | English Speech | | |
| Actuary 020.188 | Finance | | Mathematics | Economics |
| Administrative Assistant 169.168 | Accounting Management Marketing | | | |
| Administrator, Contract and Order 162.118 | Accounting Management Marketing | | | Economics |
| Administrator, Social Welfare 195.118 | | | | Sociology |
| Advertising Assistant 164.068 | Marketing | Journalism | | Psychology |
| Agent–Contract Clerk 205.288 | Finance | | | Psychology |
| Airplane Steward or Stewardess (Flight Attendant) 352.878 | | Languages + | | Psychology |
| Anatomist 041.081 | | | Biology | |
| Anesthesiologist 070.108 | | | Biology Chemistry | |
| Announcer 159.148 | | English, Journalism, Languages + Speech | | |
| Announcer, International Broadcast 159.148 | | English, Journalism, Languages + Speech | | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | Low | Low | B | | | 211(277) |
| High | Low | Low | B | M | | 44, 153, 211(1), 213(425), 225(21) |
| High | Low | Low | B | M | | 44, 153, 185, 211(1), 225(21) |
| High | Low | Low | B | M | | 185, 211(1), 225(21), 231 |
| High | Average | Low | B | M | | 8, 12, 211(450), 225(22) |
| High | Low | Low | | M | | 211(154), 225(41), |
| Very High | Average | Low | B | | | 37, 85, 89, 225(108), |
| High | Low | Low | B | M | | 134, 138, 204, 211(318), 225(148) |
| High | Average | Low | B | | | 48, 141, 211(153) (369) 213(429), 235(05-50), 244 |
| High | High | Low | B | M | | 211(305) |
| High | High | Low | | M | D | 201, 211(130) |
| Very High | Average | Low | B | | | 8 |
| High | Low | Low | B | | | |
| Low* | Low* | Low* | B | | | 211(79), 233, 242(77) |
| Very High | Low | High | | M | D | 13, 214, 225(65) |
| High | Very High | Low | | | D | 57, 72, 211(319), 213(WAH-902) 225(90) |
| High | Average | Low | B | | | 37, 154, 158, 197, 208, 211(390) 225(141), 236, 237 |
| High | Average | Low | B | | | 148 |

* It is suggested that you substitute: Average

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Anthropologist 055.088 | | | Biology | Sociology |
| Appeals Reviewer 119.118 | | English | | |
| Appraiser 191.288 | Finance | | | |
| Appraiser, Art 149.287 | Finance | Humanities | | |
| Appraiser, Real Estate 191.287 | Finance | | | |
| Archeologist 055.088 | | Humanities | | Sociology |
| Archivist 101.168 | | | | History |
| Archivist, Economic History 101.168 | | | | Economics History |
| Archivist, Political History 101.168 | | | | Government History |
| Art Critic 132.088 | | English Humanities | | |
| Art Librarian 100.168 | | Humanities | | |
| Association Executive 189.118 | Management | | | |
| Astronomer 021.088 | | | Physics | |
| Audiologist 079.108 | | Speech | Biology | Psychology |
| Audiovisual Specialist 099.168 | Accounting Finance Management Marketing | English Humanities Journalism Languages Speech | Biology Chemistry Mathematics Physics | Econ. Educ., El. Gov't. History Psychology Secondary Ed. + Sociology |
| Auditor 160.188 | Accounting Management | | | |
| Bank Cashier 186.168 | Finance | | | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| Very High | Low | Low | | M | D | 10, 18, 225(101) |
| High | High | Low | | | D | 235(05-51) |
| High | Low | Low | B | | | 73 |
| High | Low | Low | B | | | 73 |
| High | Low | Low | B | | | 73, 162, 211(228) |
| Very High | Low | Low | | M | D | 10, 88, 225(101), 228 |
| High | Average | Low | | M | D | 11, 39, 205, 225(101) |
| High | Average | Low | | M | D | 11, 205, 225(101) |
| High | Average | Low | | M | D | 11, 205, 225(101) |
| Very High | Low | Low | B | M | | 236 |
| High | Average | Low | | M | D | 209 |
| High | High | Low | B | M | | 74, 211(130) |
| Very High | Low | Low | B | M | D | 20, 211(119), 213(424), 225(67) |
| High | Very High | Low | | M | D | 83, 150, 213(WA-7-27) 225(95) |
| High | Average | Low | | M | | 47, 91 |
| High | Low | Low | B | M | | 3, 44, 133, 185, 211(1), 213(425), 231 |
| High | Average | Low | B | | | 21, 225(147) |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Bibliographer 100.288 | | English | | |
| Biochemist 041.081 | | | Biology Chemistry | |
| Biographer 052.088 | | | | History Psychology |
| Biological Aid 049.384 | | | Biology | |
| Biologist 041.081 | | | Biology | |
| Biophysicist 041.081 | | | Biology Physics | |
| Blood Bank Technologist 078.381 | | | Biology | |
| Book Critic 132.088 | | English Journalism Philosophy | | |
| Bookmobile Librarian 100.168 | Any Major | Any Major | Any Major | Any Major |
| Botanist 041.081 | | | Biology | |
| Budget Officer 161.118 | Accounting | | | |
| Business Agent, Labor Union 187.118 | Management | | | Economics |
| Business Broker 189.158 | Finance | | | |
| Business-Enterprise Specialist 188.168 | Management Marketing | | | Psychology |
| Business Librarian 100.168 | Management | | | |
| Business Manager, College or University 186.118 | Accounting Management | | | |
| Buyer 162.158 | Marketing | | | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | Low | Low | | M | | |
| Very High | Low | High | | M | D | 26, 75, 211(22), 225(65) |
| Very HIgh | Low | Low | | M | D | |
| High | Low | Average | B | | | 213(WA-8-07) |
| Very High | Low | High | B | M | D | 211(363), 213(421), 225(65), 228(3) |
| Very High | Low | High | | M | D | 101 |
| High | Low | High | B | | | 51, 198, 213(BH-2-02), 225(93) |
| Very High | Low | Low | B | M | | 236 |
| High | Average | Low | | M | | 47, 225(41) |
| Very High | Low | High | B | M | D | 104, 211(315), 213(421), 214, 225(65) |
| High | High | Low | B | | | |
| High | High | Low | B | M | | 35, 211(394) |
| High | Average | Low | B | M | | 178, 211(90) |
| High | Average | Low | B | | | |
| High | Average | Low | | M | | 209 |
| High | High | Low | B | M | | 156 |
| High | Average | Low | B | | | 183, 211(118) |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Buyer, Assistant<br>162.158 | Marketing | | | |
| Buyer, Time and Space<br>162.158 | Marketing | | | |
| Cardiologist<br>070.108 | | | Biology<br>Chemistry | |
| Case Aid<br>195.208 | | Languages+ | | Psychology<br>Sociology |
| Case Worker<br>195.108 | | Languages+ | | Psychology<br>Sociology |
| Case Worker, Child Welfare<br>195.108 | | Languages+ | | Psychology<br>Sociology |
| Case Worker, Family<br>195.108 | | Languages+ | | Psychology<br>Sociology |
| Catalog Librarian<br>100.388 | Any Major | Any Major | Any Major | Any Major |
| Chemical Analyst<br>029.181*<br>(Misprint in D.O.T. Pt. I) | | | Chemistry | |
| Chemical-Laboratory Technician<br>022.281 | | | Chemistry | |
| Chemist<br>General Term in D.O.T. | | | Chemistry | |
| Chemist, Analytical<br>022.081 | | | Chemistry | |
| Chemist, Clinical<br>041.081 | | | Chemistry | |
| Chemist, Food<br>022.081 | | | Chemistry | |
| Chemist, Industrial<br>General term in D.O.T. | | | Chemistry | |
| Chemist, Inorganic<br>022.081 | | | Chemistry | |
| Chemist, Organic<br>022.081 | | | Chemistry | |
| Chemist, Pharmaceutical<br>041.081 | | | Chemistry | |

*Correct No. in D.O.T. Pt. II: 029.281

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | Average | Low | B | | | 211(118) |
| High | Average | Low | B | | | 12, 225(22) |
| High | Very High | Low | | | D | 187 |
| High | Very High | Low | B | | | 40, 148, 201, 211(122), 225(107) |
| High | Very High | Low | | M | | 148, 201, 211(122), 213(426), 225(107) |
| High | Very High | Low | | M | | 148, 201, 211(122), 213(426), 225(107) |
| High | Very High | Low | | M | | 148, 201, 211(122), 213(426), 225(107) |
| High | Low | Low | | M | | 47, 124, 211(154), 225(41) |
| High | Low | High | B | | | 146, 211(22) (201), 220, 225(68) |
| High | Low | High | B | | | 26, 146, 220, 242 |
| | | | B | M | D | 26, 211(22), 213(424), 214, 225(67), 228(3) |
| Very High | Low | High | | M | D | 146, 211(22), 225(67) |
| Very High | Low | High | B | M | D | 14, 26, 198, 225(67) |
| Very High | Low | High | | M | D | 26, 225(67) |
| | | | B | M | D | 26, 146, 225(67) |
| Very High | Low | High | | M | D | 26, 211(22), 225(67) |
| Very High | Low | High | | M | D | 26, 211(22), 225(67) |
| Very High | Low | High | | M | D | 225(67) |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Chemist, Physical<br>022.081 | | | Chemistry<br>Physics | |
| Chemist, Polymers<br>022.081 | | | Chemistry | |
| Child-Care Attendant<br>355.878 | | Languages+ | | Psychology<br>Sociology |
| Children's Librarian<br>100.168 | | English | | Education, El. |
| City Planning Aid<br>199.388 | | | | Economics<br>Government<br>Sociology |
| Claim Adjuster<br>241.168 | Finance | | | |
| Claim Examiner<br>249.268 | Finance | | | |
| Claims Taker, Unemployment Benefits<br>169.268 | Management | | | |
| Clergyman<br>120.108 | | English<br>Humanities<br>Philosophy | | Psychology |
| Collaborator<br>139.088 | | English<br>Journalism<br>Philosophy | | |
| Columnist<br>132.068 | | English<br>Journalism<br>Philosophy | | |
| Comedy Writer<br>139.088 | | English | | |
| Community Organization Worker<br>195.168 | | Languages+ | | Psychology<br>Sociology |
| Community-Relations-and-Services Advisor, Public Housing<br>195.108 | | Languages+ | | Sociology |
| Compliance Investigator<br>168.168 | Accounting | | | |
| Computer Operator<br>213.382 | | | Mathematics | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| Very High | Low | High | | M | D | 26, 211(22), 225(67) |
| Very High | Low | High | | M | D | 26, 225(67) |
| Low* | Low* | Low* | B | | | 109, 148, 152, 200, 243 |
| High | Average | Low | | M | | 47, 211(154), 225(41) |
| High | Low | Low | B | | | 46, 79, 211(175) |
| High | Average | Low | B | | | 134, 138, 159, 160, 211(67), (431), 225(148) |
| High | Average | Low | B | | | 134, 138, 160, 211(431), 225(148) |
| High | Average | Low | B | | | 213(429) |
| High | Very High | Low | B | M | D | 225(103) |
| Very High | Low | Low | B | | | |
| Very High | Average | Low | B | | | 54 |
| Very High | Low | Low | B | | | 236 |
| High | Average | Low | | M | | 148, 201, 211(122), 213(426), 225(107) |
| High | Very High | Low | | M | | 148, 213(426), 225(107) |
| High | Average | Low | B | | | 148, 213(BRE38) |
| High | Low | High | B | | | 34, 105, 211(299), 213(420), 225(20) |

*It is suggested that you substitute: Average.

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Continuity Writer<br>131.088 | | English<br>Journalism | | |
| Contract Administrator<br>162.118 | Accounting<br>Management<br>Marketing | | | Economics |
| Controller<br>186.118 | Accounting<br>Finance | | | |
| Copy Reader<br>132.288 | | English<br>Journalism | | |
| Copy Reader, Book<br>132.288 | | English<br>Journalism<br>Philosophy | | |
| Copy Writer<br>132.088 | Marketing | English<br>Journalism<br>Speech | | |
| Correction Officer<br>372.868 | | | | Psychology<br>Sociology |
| Counselor<br>045.108 | | | | Psychology |
| Counselor, Camp<br>159.228 | | | | Education, El.<br>Secondary Ed.+<br>Sociology |
| Counselor, College<br>045.108 | | | | Psychology |
| Counselor, School<br>045.108 | | | | Psychology |
| Court Clerk<br>249.368 | | English | | Psychology |
| Credit Analyst<br>191.268 | Finance | | | |
| Credit Investigator<br>249.368 | Finance | | | |
| Criminologist<br>054.088 | | | | Psychology<br>Sociology |
| Critic<br>132.088 | | English<br>Humanities<br>Journalism<br>Philosophy | | |
| Cryptanalyst<br>199.288 | | English<br>Philosophy | | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| Very High | Low | Low | B | | | 154, 197, 236 |
| High | High | Low | B | M | | 211(305), 213(429) |
| High | High | Low | B | | | 21, 126, 153 |
| High | Low | Low | B | M | | 211(268) |
| High | Low | Low | B | | | 97 |
| Very High | Low | Low | B | | | 8, 12, 100, 211(450), 225(22), 236, 237 |
| Low | Average | Low | B | | | 211(220), 213(WA-2-04) |
| High | Very High | Low | | M | D | 58, 64 |
| High | High | Low | B | | | 211(303) |
| High | Very High | Low | | M | D | 58, 64, 225(23) |
| High | Very High | Low | | M | D | 58, 211(429), 225(102) |
| High | Average | Low | B | | | |
| High | Average | Low | B | | | 157 |
| High | Average | Low | B | | | 169 |
| Very High | Low | Low | | M | D | 82, 106, 173 |
| Very High | Low | Low | B | | | 236 |
| High | Low | Low | B | | | |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Curator, Art Gallery<br>102.118 | | Humanities | | |
| Customs Agent<br>188.168 | | | | Government |
| Customs Enforcement Officer<br>379.168 | | Languages+ | | Government |
| Customs Inspector<br>168.168 | Accounting | Languages+ | | Government |
| Customs Inspectress<br>168.168 | | Languages+ | | Government |
| Customs Officer<br>188.168 | | Languages+ | | Government |
| Cytologist<br>041.081 | | | Biology | |
| Cytotechnologist<br>078.281 | | | Biology | |
| Dean of Students<br>090.118 | | | | Psychology |
| Demographer<br>020.188 | | | Mathematics | Sociology |
| Dentist<br>072.108 | | | Biology<br>Chemistry | |
| Dermatologist<br>070.108 | | | Biology<br>Chemistry | |
| Detective<br>375.268 | | | | Sociology |
| Direct Mail Specialist<br>164.068 | Marketing | Journalism | | |
| Director, Advertising<br>164.118 | Marketing | English<br>Journalism | | |
| Director, Evaluation and Research<br>099.168 | | | | Psychology<br>Secondary Ed.+ |
| Director, Extension Work<br>090.118 | | | | Psychology<br>Secondary Ed.+ |
| Director, Industrial Relations<br>166.118 | Management | | | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | High | Low | B | | | |
| High | Average | Low | B | | | 213(BN-9-28), 230 |
| High | Average | Low | B | | | 148, 230 |
| High | Average | Low | B | | | 148, 213(429), 225(39), 230 |
| High | Average | Low | B | | | |
| High | Average | Low | B | M | D | 148, 230 |
| Very High | Low | High | | M | D | |
| High | Low | High | B | | | 51, 67, 110, 112, 198, 213(BH-1-01) (BH-2-02)(WAH-8-13), 225(128) |
| High | High | Low | | M | D | 165, 225(23) |
| High | Low | Low | | M | D | 84, 216 |
| High | Very High | Low* | | | D | 32, 211(377), 213(WAH-902), 225(89) |
| High | Very High | Low* | | | D | 51, 213(WAH-902) |
| High | Average | Low | B | | | 140, 225(38) |
| Very High | Average | Low | B | | | 8, 119, 225(22) |
| High | High | Low | B | | | 97 |
| High | Average | Low | | M | D | 94 |
| High | High | Low | | M | D | |
| High | High | Low | B | M | | 69, 213(76), 225(23) |

*It is suggested that you substitue: High.

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Director of Guidance in Public Schools 045.118 | | | | Psychology Secondary Ed.+ |
| Director of Institutional Research 090.168 | Management | | | Psychology |
| Director of Placement 166.168 | Management | | | |
| Director of Student Affairs 090.168 | | | | Psychology |
| Director, Program 184.168 | | English Journalism Speech | | |
| Director, Religious Education 129.108 | | | | Psychology Secondary Ed.+ |
| Director, Sales Education 166.228 | Marketing | Speech | | |
| Director, Stage 150.028 | | Speech | | |
| Director, State-Historical Society 052.038 | | | | History |
| Director, Training 166.118 | Management | | | Psychology Secondary Ed.+ |
| Director, Volunteer Services 187.168 | Management | | | Psychology Sociology |
| Disc Jockey 159.148 | | Philosophy Speech | | |
| Drama Critic 132.088 | | English Humanities Journalism Philosophy Speech | | |
| Dramatic Coach 150.028 | | English Speech | | |
| Dramatic Reader 150.048 | | English Speech | | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | High | Low | | M | D | |
| High | Average | Low | | M | D | 94 |
| High | Average | Low | B | | | 225(23) |
| High | Average | Low | | M | | 165, 225(23) |
| High | Average | Low | B | M | | 154 |
| High | Very High | Low | | M | D | 102, 170, 200 |
| High | High | Low | B | | | |
| Very High | High | Low | | M | D | 85, 225(108) |
| Very High | High | Low | B | M | D | 11 |
| High | High | Low | B | M | D | 211(353) |
| High | Average | Low | B | M | | 40 |
| High | Average | Low | B | | | 37, 211(390) |
| Very High | Low | Low | B | M | | 236 |
| Very High | High | Low | | M | | 85, 225(108) |
| Very High | Average | Low | B | | | 85 |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Ecologist<br>General term in D.O.T. | | | Biology | |
| Econometrist<br>020.188 | | | Mathematics | Economics |
| Economic Botanist<br>041.081 | | | Biology | Economics |
| Economist<br>050.088 | | | | Economics |
| Editor, Book<br>132.068 | | English<br>Journalism | | |
| Editor, City<br>132.038 | | Journalism | | |
| Editor, Continuity and Script<br>131.038 | | English<br>Journalism | | |
| Editor, Department<br>132.038 | | Journalism | | |
| Editor, Film<br>962.288 | | Journalism | | |
| Editor, Financial<br>132.038 | Finance | Journalism | | |
| Editor, Foreign News, Broadcast<br>132.068 | | Journalism<br>Languages+ | | |
| Editor, Greeting Card<br>139.088 | | English | | |
| Editorial Assistant<br>132.288 | | English<br>Journalism<br>Philosophy | | |
| Editorial Writer<br>132.088 | | English<br>Journalism<br>Philosophy | | |
| Editor, Index<br>132.288 | | Journalism | | |
| Editor, Magazine<br>132.068 | | English<br>Journalism | | |
| Editor, Managing, Newspaper<br>132.018 | | Journalism | | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| | | | | M | D | 81, 104, 175, 215(F.S. 308), 238, 240 |
| High | Low | Low | | M | D | 84, 225(101) |
| Very High | Low | High | | M | D | |
| Very High | Low | Low | | M | D | 3, 33, 155, 211(253), 225(101), 213(429) |
| Very High | Average | Low | B | M | D | 97, 236 |
| Very High | High | Low | B | M | | 54, 237 |
| Very High | High | Low | B | M | | 158, 225(141), 236 |
| Very High | High | Low | B | M | | 54, 211(113) |
| High | Low | Low | B | | | 120, 154, 211(323) |
| Very High | High | Low | B | M | | |
| Very High | Average | Low | | M | | 148 |
| Very High | Low | Low | B | | | 159 |
| High | Low | Low | B | | | 54, 97, 236 |
| Very High | Low | Low | B | M | | 54, 236 |
| High | Low | Low | B | | | 97 |
| Very High | Average | Low | B | M | | 145, 208, 236 |
| Very High | High | Low | B | M | | 54 |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Editor, News<br>132.068 | | Journalism | | |
| Editor, Newspaper<br>132.018 | | Journalism | | |
| Editor, News Photograph<br>132.288 | | Journalism | | |
| Editor, Picture<br>132.288 | | Journalism | | |
| Editor, Sports<br>132.038 | | Journalism | | |
| Editor, Telegraph<br>132.288 | | Journalism | | |
| Editor, Trade-or-Technical Publications<br>132.038 | Management | Journalism | | |
| Educational Supervisor, Penal Institution<br>099.118 | | | | Secondary Ed.+<br>Sociology |
| Educational Therapist<br>091.228 | Accounting<br>Finance<br>Management<br>Marketing | English<br>Humanities<br>Journalism<br>Languages<br>Speech | Biology<br>Chemistry<br>Mathematics<br>Physics | Economics<br>Gov't History<br>Psychology<br>Secondary Ed.+<br>Sociology |
| Employment Interviewer<br>166.268 | Management | | | Psychology |
| Entomologist<br>041.081 | | | Biology | |
| Escrow Officer<br>169.388 | Finance | | | |
| Essayist<br>130.088 | | English<br>Philosophy | | |
| Estate Planner<br>169.168 | Accounting<br>Finance | | | |
| Ethnologist<br>055.088 | | Humanities | | Sociology |
| Examiner, Tariff and Schedules<br>169.168 | Marketing | | | Economics |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| Very High | Average | Low | B | M | | 54, 211(268) |
| Very High | High | Low | B | M | | 54 |
| High | Low | Low | B | | | 54, 180, 193 |
| High | Low | Low | B | | | 54 |
| Very High | High | Low | B | M | | 54 |
| High | Low | Low | B | | | 54 |
| Very High | High | Low | B | M | | 236 |
| High | High | Low | | M | D | 116 |
| High | High | Low | | M | D | 213(429)(WA-8-03), 235(10-106) (054) |
| High | Average | Low | | M | | 69, 211(38), 225(23)(102) |
| Very High | Low | High | B | M | D | 123, 213(421), 214 |
| High | Low | Low | B | | | 211(272) |
| Very High | Low | Low | B | | | 236 |
| High | Average | Low | B | M | | |
| Very High | Low | Low | | M | D | 10, 225(101) |
| High | Average | Low | B | | | |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Executive Vice President, Chamber of Commerce 187.118 | Management | | | Government |
| Faculty Member, College or University 090.228 | Any Major | Any Major | Any Major | Any Major |
| Federal Employee Not in D.O.T. | Any Major | Any Major | Any Major | Any Major |
| Film Librarian 100.168 | | Journalism | | Secondary Ed.+ |
| Financial Analyst 020.188 | Accounting Finance | | | |
| Financial Economist 050.088 | Finance | | | Economics |
| Food and Drug Inspector 168.287 | | | Biology Chemistry | |
| Food Bacteriologist 041.081 | | | Biology | |
| Foreign Clerk 219.488 | Marketing | Languages | | |
| Foreign Correspondent 132.268 | | Journalism Languages | | |
| Foreign-Exchange Code Clerk 137.288 | Finance | Languages+ | | |
| Foreign-Exchange Trader 168.168 | Finance | Languages+ | | |
| Foreign-Language Stenographer 202.388 | | Languages+ | | |
| Foreign News Translator 137.288 | | Journalism Languages | | |
| Foreign Service Officer 188.118 | Marketing | Journalism Languages+ | | Economics Government Sociology |
| Foreign Student Advisor 099.108 | Any Major | Any Major Languages+ | Any Major | Any Major |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | High | Low | B | M | | 25, 211(130) |
| High | High | Low | | M | D | 132, 225(40) |
| | | | B | M | D | 212(0060-00776) |
| High | Average | Low | | M | | 47, 120, 158, 225(41) |
| High | Low | Low | | M | | 125, 134, 211(260), 234 |
| Very High | Low | Low | | M | D | 33, 155, 225(101) |
| High | Low | Low | B | | | 219(FDA72-1015)(FDA74-1016), 225(39) |
| Very High | Low | High | | M | D | 68, 211(168), 225(67) |
| Average | Low | Low | B | | | 148, 211(176) |
| High | Average | Low | B | M | | 148, 225(118) |
| High | Low | Low | B | | | 22, 148 |
| High | Average | Low | B | | | 22, 148 |
| High | Low | Low | B | | | 148 |
| High | Low | Low | B | | | 148 |
| High | High | Low | B | | | 148, 226 |
| High | Very High | Low | | M | D | 148, 225(23) |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Gag Writer<br>131.088 | | English<br>Journalism | | |
| Genealogist<br>052.088 | | | | History |
| General Services Officer<br>188.118 | Management | | | |
| Geneticist<br>041.081 | | | Biology | |
| Geologist<br>024.081 | | | Physics | |
| Geophysicist<br>024.081 | | | Physics | |
| Group Worker<br>195.108 | | Languages+ | | Psychology<br>Sociology |
| Guidance Counselor<br>045.108 | | | | Psychology<br>Secondary Ed.+ |
| Gynecologist<br>070.108 | | | Biology<br>Chemistry | |
| Headmaster<br>091.118 | Any Major | Any Major | Any Major | Any Major |
| Hematology Technologist<br>078.381 | | | Biology<br>Chemistry | |
| Histologist<br>041.181 | | | Biology | |
| Historian<br>052.088 | | | | History |
| Historian, Dramatic Arts<br>052.088 | | Humanities | | History |
| Hospital Administrator<br>187.118 | Accounting<br>Management | | | |
| Hospital Admitting Clerk<br>237.368 | Management | Languages+ | | Psychology<br>Sociology |
| Hospital Librarian<br>100.168 | | | | Psychology |
| Hydrologist<br>024.081 | | | Physics | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| Very High | Low | Low | B | | | 236 |
| Very High | Low | Low | | M | D | 103, 176 |
| High | High | Low | B | | | 128 |
| Very High | Low | High | | M | D | 213(421), 214, 238 |
| Very High | Low | High | | M | D | 211(231), 213(424), 225(64), 229(3) |
| Very High | Low | High | B | M | D | 38, 45, 211(231), 225(64), 229(3) |
| High | Very High | Low | | M | | 148, 201, 225(107) |
| High | Very High | Low | | M | D | 58, 213(73) |
| High | Very High | Low | | | D | 28, 213(WAH-902), 225(90) |
| High | High | Low | | M | D | |
| High | Low | High | B | | | 198, 213(BH-2-02), 225(93) |
| High | Low | High | | M | | 194 |
| Very High | Low | Low | | M | D | 11, 39, 225(101) |
| Very High | Low | Low | | M | D | |
| High | High | Low | | M | | 27, 51, 211(235), 213(WA-9-17), 225(97) |
| High | Average | Low | B | | | 40, 148, 211(409), 225(16) |
| High | Average | Low | | M | | |
| Very High | Low | High | | M | D | 38, 228(3) |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Immigration Inspector 168.168 | | Languages+ | | Government |
| Importer-Exporter 185.168 | Marketing | Languages+ | | |
| Industrial Bacteriologist 041.081 | | | Biology | |
| Industrial Economist 050.088 | Management Marketing | | | Economics |
| Industrial Hygienist 079.188 | | | Biology Chemistry Physics | |
| Industrial-Relations Counselor 169.118 | Management | | | Economics Government |
| Industrial Sociologist 054.088 | | | | Sociology |
| Information Scientist 020.088 | | Philosophy | Mathematics | |
| Insurance Adjuster 241.168 | Finance | | | |
| Insurance Attorney 110.118 | Finance | | | |
| Insurance Broker 250.258 | Finance Marketing | | | |
| Insurance Examiner 168.268 | Finance | | | |
| Intelligence Specialist 059.088 | | Languages+ | | Economics Government Psychology |
| International-Relations Specialist 051.088 | | Languages+ | | Government |
| International-Trade Economist 050.088 | Marketing | Languages+ | | Economics |
| Interpreter 137.268 | | Languages | | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | Average | Low | B | | | 213(429)(BRE 38) (WAM-911), 224, 225(39) |
| High | Average | Low | B | M | | 108, 148, 174, 230 |
| Very High | Low | High | | M | D | 68 |
| Very High | Low | Low | | M | D | 33, 155 |
| High | Low | Low | B | M | D | 42, 213(230), 246(2052) |
| High | High | Low | B | M | | 179 |
| Very High | Low | Low | | M | D | 82, 225(101) |
| Very High | Low | Low | | M | D | 202 |
| High | Average | Low | B | | | 134, 138, 139, 160, 211(67) (431), 225(148) |
| High | High | Low | | | D | 23, 134 |
| High | Average | Low | B | | | 134, 138, 160 |
| High | Average | Low | B | | | |
| Very High | Low | Low | B | M | D | 107 |
| Very High | Low | Low | | M | D | 62, 148, 225(101) |
| Very High | Low | Low | | M | D | 33, 148, 225(101) |
| High | Average | Low | B | M | | 148, 207, 225(119), 227 |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Interviewer and Claims Adjuster 169.168 | | Languages+ | | Sociology |
| Interviewer, Housing Project 168.268 | | Languages+ | | Sociology |
| Job Analyst 166.088 | Management | | | Psychology Sociology |
| Junior Executive 189.168 | Accounting Finance Management Marketing | Philosophy | | |
| Laboratory Assistant 029.381 | | | Chemistry Physics | |
| Laboratory Tester II 029.381 | | | Biology Chemistry | |
| Labor Economist 050.088 | | | | Economics |
| Labor-Relations Specialist 169.118 | Management | | | Economics Government |
| Law Clerk 199.288 | | English | | |
| Law Librarian 100.168 | | English | | |
| Lawyer 110.108 | Any Major | Any Major | Any Major | Any Major |
| Lawyer, Civil General term in D.O.T. | | | | Government Sociology |
| Lawyer, Corporation 110.118 | Finance Management | | | |
| Lawyer, Criminal 110.108 | | | | Psychology Sociology |
| Lawyer, Patent 110.118 | | | Chemistry Physics | |
| Lawyer, Probate 110.118 | Accounting Finance | | | |
| Lawyer, Real Estate 110.118 | Finance | | | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | Average | Low | B | | | 148 |
| High | Average | Low | B | | | 148 |
| Very High | Low | Low | B | | | 69, 211(238), 225(23) |
| High | Average | Low | B | M | D | 48, 211(59)(431) |
| High | Low | High | B | | | 211(201) |
| High | Low | High | B | | | 26, 211(201), 225(68) |
| Very High | Low | Low | | M | D | 33, 225(101) |
| High | High | Low | B | M | D | 69, 128, 211(297) |
| High | Low | Low | B | | | 23 |
| High | Average | Low | | M | D | 47 |
| High | Very High | Low | | | D | 23, 24, 211(322), 225(27), 245 |
| | | | | | D | 225(27) |
| High | High | Low | | | D | 23, 211(322), 225(27) |
| High | Very High | Low | | | D | 23, 211(322), 225(27) |
| High | High | Low | | | D | 23, 211(322), 225(27) |
| High | High | Low | | | D | 225(27) |
| High | High | Low | | | D | 23, 211(322), 225(27) |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Librarian<br>100.168 | Any Major | Any Major | Any Major | Any Major |
| Librarian, Reference Library<br>100.168 | Any Major | Any Major | Any Major | Any Major |
| Library Assistant<br>249.368 | Any Major | Any Major | Any Major | Any Major |
| Linguistic Scientist<br>059.088 | | Languages | | |
| Literary Agent<br>191.118 | | English | | |
| Literary Writer<br>130.088 | | English<br>Philosophy | | |
| Loan Officer<br>186.288 | Finance | | | |
| Magazine Writer<br>130.088 | | English<br>Journalism<br>Philosophy | | |
| Management Aid<br>195.368 | | | | Psychology<br>Sociology |
| Manager, Advertising<br>164.118 | Management<br>Marketing | Journalism | | |
| Manager, Apartment House<br>186.168 | Management | | | |
| Manager, Branch<br>183.118 | Management<br>Marketing | | | |
| Manager, Branch Bank<br>186.118 | Finance | | | |
| Manager, Circulation<br>163.118 | Marketing | | | |
| Manager, City<br>188.118 | Management | | | Government |
| Manager, Club<br>187.168 | Management | | | |
| Manager, Consumer Credit<br>186.118 | Finance | | | |
| Manager, Convetion<br>187.168 | Management<br>Marketing | | | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | Average | Low | | M | D | 47, 124, 209, 211(154), 213(73)(422), 225(41) |
| High | Average | Low | | M | D | 47, 124, 209, 211(154), 225(41) |
| High | Average | Low | B | | | 47 |
| Very High | Low | Low | | M | D | 10, 225(101) |
| High | High | Low | B | | | 206 |
| Very High | Low | Low | B | | | 236 |
| High | Low | Low | B | | | 21, 118, 225(25)(147) |
| Very High | Low | Low | B | | | 236 |
| High | Average | Low | B | | | 201, 225(107) |
| High | High | Low | B | M | | 8, 12, 211(450), 225(22) |
| High | Average | Low | B | | | 136, 162, 211(423) |
| High | High | Low | B | M | | |
| High | High | Low | B | M | | 21, 225(147) |
| High | High | Low | B | | | 54 |
| High | High | Low | B | M | | 141, 211(153), 225(26) |
| High | Average | Low | B | | | 111 |
| High | High | Low | B | | | 21, 169, 211(132), 225(147) |
| High | Average | Low | B | | | 122 |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Manager, Credit and Collection 168.168 | Accounting Finance | | | |
| Manager, Department, Chamber of Commerce 187.118 | Management | | | |
| Manager, Distribution Warehouse 185.168 | Finance Management Marketing | | | |
| Manager, Electronic-Data Processing 169.168 | Management | | Mathematics | |
| Manager, Employment 166.168 | Management | | | |
| Manager, Export 163.118 | Marketing | Languages+ | | |
| Manager, Financial Institution 186.118 | Finance | | | |
| Manager, Franchise Promotion 185.168 | Finance Management Marketing | | | |
| Manager, Front Office 187.168 | Management | | | |
| Manager, Hotel 187.118 | Management | | | |
| Manager, Industrial Development 184.118 | Finance Management Marketing | Languages+ | | Economics |
| Manager, Insurance 186.118 | Finance | | | |
| Manager, Insurance Office 186.168 | Finance | | | |
| Manager, Merchandise 185.168 | Marketing | | | |
| Manager, News, Special Events and Public Affairs 131.038 | | Journalism | | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | Average | Low | B | | | 118, 157, 169, 211(132), 225(25) |
| High | High | Low | B | M | | 25 |
| High | Average | Low | B | | | 128, 166, 171 |
| High | Average | Low | B | M | D | 105, 211(348) |
| High | Average | Low | B | M | | 69 |
| High | High | Low | B | M | | 108, 148, 171, 174 |
| High | High | Low | B | M | | 21 |
| High | Average | Low | B | | | |
| High | Average | Low | B | | | 122, 225(149) |
| High | High | Low | B | M | | 122, 211(114), 225(149) |
| High | High | Low | B | M | | 41, 211(389) |
| High | High | Low | B | M | | |
| High | Average | Low | B | M | | |
| High | Average | Low | B | | | 49, 183 |
| Very High | High | Low | B | M | | 154, 158, 197, 236 |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Manager, Office 169.168 | Accounting Management | | | |
| Manager, Operations 184.118 | Management Marketing | | | |
| Manager, Personnel 166.118 | Management | | | |
| Manager, Plant 189.118 | Management | | | |
| Manager, Promotion 163.118 | Management Marketing | | | |
| Manager, Property 186.168 | Management | | | |
| Manager, Recreation Establishment 187.168 | Management | | | |
| Manager, Sales 163.118 | Marketing | Speech | | |
| Manager, Statement Clerks 219.138 | Finance | | | |
| Manager, Store 185.168 | Marketing | | | |
| Manager, Surplus Property 186.168 | Marketing | | | |
| Manager, Traffic 184.168 | Finance Management Marketing | | | |
| Manager, Trainee 189.168 | Management Marketing | Philosophy | | Psychology |
| Manager, Trust Company 186.118 | Finance | | | |
| Manager, Utility Sales and Service 163.168 | Marketing | | | |
| Manager, Vehicle Leasing and Rental 187.168 | Marketing | | | |
| Manager, Warehouse 184.168 | Management Marketing | | | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | Average | Low | B | M | | 211(369) |
| High | High | Low | B | M | | |
| High | High | Low | B | M | | 48, 69, 211(135), 213(76) (429), 225(23) |
| High | High | Low | B | M | | 48 |
| High | High | Low | B | M | | 122, 225(149) |
| High | Average | Low | B | M | | 136, 162, 211(423) |
| High | Average | Low | B | | | |
| High | High | Low | B | M | | 48, 199 |
| High | High | Low | B | | | |
| High | Average | Low | B | M | | 183, 211(242) |
| High | Average | Low | B | | | 128 |
| High | Average | Low | B | M | | 80, 161, 171, 225(24) |
| High | Average | Low | B | | | 211(59), 128 |
| High | High | Low | B | M | | 21 |
| High | Average | Low | B | M | | 121 |
| High | Average | Low | B | | | 168 |
| High | Average | Low | B | | | 166 |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Manager, World Trade 187.118 | Marketing | Languages + | | Government |
| Manufacturers' Representative 289.158 | Marketing | Languages + | | |
| Manuscript Reader 132.288 | | English Journalism Philosophy | | |
| Marine Biologist 041.081 | | | Biology | |
| Market-Research Analyst 050.088 | Marketing | | | Economics Psychology |
| Material Coordinator 221.168 | Management | | | |
| Mathematical Technician 020.188 | | | Mathematics | |
| Mathematician 020.088 | | | Mathematics | |
| Medical Bacteriologist 041.081 | | | Biology | |
| Medical Librarian 100.168 | | | Biology | Psychology |
| Medical-Record Librarian 100.388 | | | Biology | |
| Medical Technician 078.381 | | | Biology Chemistry | |
| Medical Technologist 078.381 | | | Biology | |
| Medical Technologist Chemistry 078.281 | | | Chemistry | |
| Meteorologist 025.088 | | | Physics | |
| Microbiologist 041.081 | | | Biology | |
| Microbiology Technologist 078.281 | | | Biology | |
| Mineralogist 024.081 | | | Physics | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | High | Low | B | M | | 148 |
| High | Average | Low | B | | | 148, 199, 225(43) |
| High | Low | Low | B | | | 97 |
| Very High | Low | High | B | M | D | 81, 211(250) |
| Very High | Low | Low | B | M | D | 8, 12, 49, 211(291) (450), |
| High | Average | Low | B | | | 211(433) |
| High | Low | Low | B | | | 50, 211(66), 213(409) |
| Very High | Low | Low | B | M | D | 50, 172, 202, 211(66), 213(424), 225(66) |
| Very High | Low | High | | M | D | 68, 194(442), 198, 213 (BH-2-02) |
| High | Average | Low | | M | D | 124, 147 |
| High | Low | Low | B | M | | 51, 52, 211(134), 213(331), 225(98) |
| High | Low | High | B | | | 67, 76, 112, 198, 213(WAH-8-13), 225(93) |
| High | Low | High | B | M | | 67, 76, 112, 198, 213 (WAH-8-15), 221, 225(93) |
| High | Low | High | B | M | | 51, 198, 211(17), 213(BH-2-02), 225(93) |
| Very High | Low | Low | B | M | D | 38, 53, 211(200), 217, 225(64) |
| Very High | Low | High | B | M | D | 68, 177, 198, 211(168), 213(421), 225(65) |
| High | Low | High | B | M | | 194(442), 198, 211(168), 213(BH-2-02), 225(93) |
| Very High | Low | High | | M | D | 211(231) |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Minister<br>120.108 | | English<br>Humanities<br>Philosophy | | Psychology |
| Missionary<br>120.108 | | English<br>Humanities<br>Languages +<br>Philosophy | | Psychology |
| Motion Picture<br>Narrator<br>150.148 | | Speech | | |
| Museum Technician<br>102.381 | | Humanities | Biology<br>Chemistry<br>Mathematics<br>Physics | History<br>Sociology |
| Music Critic<br>132.088 | | English<br>Humanities | | |
| Mycologist<br>041.181 | | | Biology | |
| Neurologist<br>070.108 | | | Biology<br>Chemistry | |
| News Analyst,<br>Broadcast<br>131.068 | | Journalism<br>Speech | | |
| News Specialist,<br>Syndicate<br>132.068 | | Journalism | | |
| Novelist<br>130.088 | | English<br>Philosophy | | |
| Obstetrician<br>070.108 | | | Biology<br>Chemistry | |
| Oceanographer,<br>Geological<br>024.081 | | | Physics | |
| Oceanographer, Physical<br>024.081 | | | Physics | |
| Operations Officer<br>186.168 | Finance<br>Management | | | |
| Operations Research<br>Analyst<br>020.088 | | | Mathematics | Economics |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | Very High | Low | B | M | D | 170, 225 (103) |
| High | Very High | Low | B | M | D | 148, 170, 200, 225 (103) |
| High | Average | Low | B | | | |
| High | Low | High | B | M | | 213 (WAM-103) |
| Very High | Low | Low | | M | D | 236 |
| High | Low | High | B | M | D | 104, 211 (315) |
| High | Very High | Low | | | D | 51, 213 (WAH-902) |
| Very High | Average | Low | B | M | | 92, 154, 197, 208, 211 (390), 236 |
| Very High | Average | Low | B | M | | 54, 92, 236 |
| Very High | Low | Low | B | | | 236 |
| High | Very High | Low | | | D | 28, 213 (WAH-902), 225(90) |
| Very High | Low | High | B | M | D | 38, 142, 211 (250), 213 (424), 217, 225 (64), 228 (3) |
| Very High | Low | High | B | M | D | 38, 142, 211 (250), 213 (424), 217, 225(64), 228(3) |
| High | Average | Low | B | M | | 21 |
| Very High | Low | Low | B | M | D | 190, 213 (424) (429) |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Ophthalmologist 070.108 | | | Biology Chemistry | |
| Optometrist 079.108 | | | Biology | |
| Osteopathic Physician 071.108 | | | Biology Chemistry | |
| Otolaryngologist 070.108 | | | Biology Chemistry | |
| Parasitologist 041.081 | | | Biology | |
| Park Ranger 169.168 | Management | | Biology | History Psychology Sociology |
| Parole Officer 195.108 | | Languages + | | Psychology Sociology |
| Patent Examiner 168.288 | | | Chemistry Physics | |
| Pathologist 070.081 | | | Biology Chemistry | |
| Patrolman 375.268 | | | | Sociology |
| Peace Corps Volunteer Not in D.O.T. | Any Major | Any Major | Any Major | Any Major |
| Pediatrician 070.108 | | | Biology Chemistry | |
| Penologist 054.088 | | | | Psychology Sociology |
| Personnel Recruiter 166.268 | Management | | | Psychology |
| Pharmaceutical Bacteriologist 041.081 | | | Biology | |
| Pharmaceutical Detail Man (Detailist) 266.158 | Marketing | | Biology Chemistry | |
| Pharmacologist 041.081 | | | Biology Chemistry | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | Very High | Low | | | D | 17, 51, 213 (WAH-902), 225 (90) |
| High | Very High | Low | | | D | 56, 225 (88) |
| High | Very High | Low | | | D | 57, 213 (WAH-902), 225 (90) |
| High | Very High | Low | | | D | 51, 213 (WAH-902) |
| Very High | Low | High | B | M | D | 51, 81, 214 |
| High | Average | Low | B | | | 211 (232), 228 |
| High | Very High | Low | B | M | | 31, 211 (192), 225 (107) |
| High | Low | Low | B | M | | 23, 213 (424) |
| Very High | Low | High | | | D | 51, 67, 76, 112, 144, 213 (WAH-902), 225 (65) |
| High | Average | Low | B | | | 127, 140, 211 (211), 242 (72-R) |
| | | | B | M | D | 2 |
| High | Very High | Low | | | D | 5, 51, 213 (WAH-902) |
| Very High | Low | Low | | M | D | 82, 225 (101) |
| High | Average | Low | B | | | 69, 128, 213 (76) |
| Very High | Low | High | B | M | D | |
| High | Average | Low | B | M | | 191, 211 (269), 241 |
| Very High | Low | High | | M | D | 70, 213 (421), 225 (65) |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Photographer, News 143.062 | | Journalism | | |
| Physician General term in D.O.T. | | | Biology Chemistry | |
| Physician, General Practice 070.108 | | | Biology Chemistry | |
| Physician Assistant Not in D.O.T. | | | Biology Chemistry | |
| Physician, Research General Term in D.O.T. | | | Biology Chemistry | |
| Physicist 023.081 | | | Physics | |
| Physicist, Acoustics 023.081 | | | Physics | |
| Physicist, Atomic and Molecular 023.081 | | | Physics | |
| Physicist, Electricity and Magnetism 023.081 | | | Physics | |
| Physicist, Electronics 023.081 | | | Physics | |
| Physicist, Heat 023.081 | | | Physics | |
| Physicist, Light 023.081 | | | Physics | |
| Physicist, Mechanics 023.081 | | | Physics | |
| Physicist, Nuclear 023.081 | | | Physics | |
| Physicist, Solid State 023.081 | | | Physics | |
| Physicist, Theoretical 023.088 | | | Physics | |
| Physiologist 041.081 | | | Biology | |
| Placement Officer 166.268 | Management | | | Psychology |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| Very High | Average | High | B | | | 54, 120, 180, 211 (51), 237 |
| | | | | | D | 51, 96, 213 (WAH-902), 225 (90) |
| High | Very High | Low | | | D | 51, 211 (319), 213 (WAH-902), 225 (90) |
| | | | B | | | 189 |
| | | | | | D | |
| Very High | Low | High | B | M | D | 45, 211 (62), 213 (424), 225 (67), 228 (3) |
| Very High | Low | High | B | M | D | 1, 211 (62), 225 (67) |
| Very High | Low | High | B | M | D | 45, 211 (62), 225 (67) |
| Very High | Low | High | B | M | D | 45, 225 (67) |
| Very High | Low | High | B | M | D | 45, 225 (67) |
| Very High | Low | High | B | M | D | 45, 211 (62), 225 (67) |
| Very High | Low | High | B | M | D | 45, 211 (62) |
| Very High | Low | High | B | M | D | 45, 211 (62) |
| Very High | Low | High | B | M | D | 45, 55, 211(62), 225(67) |
| Very High | Low | High | B | M | D | 45, 211(62), 225(67) |
| Very High | Low | Low | B | M | D | 45, 211(62), 225(67) |
| Very High | Low | High | B | M | D | 59, 213(421), 225(65) |
| High | Average | Low | B | M | | 113, 225 (102) |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Plant Ecologist<br>041.081 | | | Biology | |
| Plant Pathologist<br>041.081 | | | Biology | |
| Plant Physiologist<br>041.081 | | | Biology | |
| Playwright<br>131.088 | | English<br>Philosophy<br>Speech | | |
| Podiatrist<br>079.108 | | | Biology<br>Chemistry | |
| Poet<br>130.088 | | English<br>Philosophy<br>Speech | | |
| Political Geographer<br>059.088 | | | | Government |
| Political Scientist<br>051.088 | | | | Government |
| Position Classifier<br>166.088 | | | | Sociology |
| Price Economist<br>050.088 | | | | Economics |
| Priest<br>120.108 | | English<br>Humanities<br>Philosophy | | Psychology |
| Principal, Elementary School<br>091.118 | | | | Education, El. |
| Principal, High School<br>091.118 | Accounting<br>Finance<br>Management<br>Marketing | English<br>Humanities<br>Journalism<br>Languages<br>Speech | Biology<br>Chemistry<br>Mathematics<br>Physics | Economics<br>Gov't. History<br>Psychology<br>Secondary Ed. +<br>Sociology |
| Probation Officer<br>195.108 | | Languages + | | Psychology<br>Sociology |
| Proctologist<br>070.108 | | | Biology<br>Chemistry | |
| Producer-Director I<br>159.118 | | Journalism | | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| Very High | Low | High | | M | D | 104, 211(315), 214 |
| Very High | Low | High | B | M | D | 60, 104, 211(296), 213(421) |
| Very High | Low | High | | M | D | 104, 211(315), 213(421), 214, 239 |
| Very High | Low | Low | B | M | | 236 |
| High | Very High | Low | | | D | 61, 211(298), 225(91) |
| Very High | Low | Low | B | M | | 236 |
| Very High | Low | Low | B | M | D | |
| Very High | Low | Low | | M | D | 62, 225(101) |
| Very High | Low | Low | B | M | | 69, 128, 213(76) |
| Very High | Low | Low | | M | D | 33, 225(101) |
| High | Very High | Low | B | M | D | 200, 225(103) |
| High | High | Low | B | M | D | 213(73) |
| High | High | Low | B | M | D | 164, 213(73) |
| High | Very High | Low | B | M | | 31, 211(192), 225(107) |
| High | Very High | Low | | | D | 51 |
| High | High | Low | B | M | D | 154, 158 |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Production Coordinator 221.168 | Management | | | |
| Production Manager, Advertising 141.168 | Marketing | Journalism | | |
| Production Planner 012.188 | Management | | | |
| Production Superintendent 183.118 | Management | | | |
| Program Aid, Group Work 195.228 | | Languages + | | Sociology |
| Program Director, Group Work 187.168 | | Languages + | | Sociology |
| Programer, Business 020.188 | Accounting Management | | Mathematics | |
| Programer, Technical 020.188 | | | Mathematics Physics | |
| Property-Disposal Officer 169.168 | Marketing | | | |
| Property-Rental Agent 186.118 | Marketing | | | |
| Property-Utilization Officer 188.168 | Marketing | | | |
| Psychiatrist 070.108 | | | Biology Chemistry | Psychology |
| Psychologist, Clinical 045.108 | | | Biology | Psychology |
| Psychologist, Counseling 045.108 | | | | Psychology |
| Psychologist, Developmental 045.088 | | | Biology | Psychology |
| Psychologist, Educational 045.088 | | | | Psychology |
| Psychologist, Experimental 045.088 | | | Biology | Psychology |
| Psychologist, Industrial 045.108 | | | | Psychology |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | Average | Low | B | | | 211(433) |
| High | Average | Low | B | M | | 8, 12, 211(450), 225(22) |
| High | Low | Low | B | M | | 211(271) |
| High | High | Low | B | M | D | 48 |
| High | High | Low | B | | | 148, 181, 201, 222, 225(106) |
| High | Average | Low | | M | | 148, 201, 222 |
| High | Low | Low | B | M | | 34, 105, 114, 211(81), 213(420), 225(20) |
| High | Low | Low | B | M | | 34, 105, 114, 211(66) (81), 213(420), 225(20) |
| High | Average | Low | B | | | 128 |
| High | High | Low | B | | | |
| High | Average | Low | B | | | 128 |
| High | Very High | Low | | | D | 63, 213(WAH-902), 225(90) |
| High | Very High | Low | | | D | 64, 211(77), 213(WAS-913), 225(105) |
| High | Very High | Low | | M | D | 64, 211(77), 213(WAS-913), 225(105) |
| Very High | Low | Low | | M | D | 64, 225(105) |
| Very High | Low | Low | | M | D | 64, 225(105) |
| Very High | Low | Low | | M | D | 64, 211(77), 225(105) |
| High | Very High | Low | | M | D | 64, 211(77), 225(105) |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Psychologist, School<br>045.108 | | | | Psychology |
| Psychologist, Social<br>045.088 | | | | Psychology<br>Sociology |
| Psychometrist<br>045.118 | | | | Psychology |
| Public Health Educator<br>079.118 | | Journalism<br>Languages + | Biology | Psychology<br>Sociology |
| Public Health<br>Service Officer<br>187.118 | Management | Languages + | Biology | Psychology<br>Sociology |
| Public-Relations Man<br>165.068 | Marketing | Journalism<br>Speech | | |
| Purchasing Agent<br>162.158 | Marketing | | | |
| Quality-Control Supervisor<br>012.168 | | | Chemistry<br>Physics | |
| Quality-Control Technician<br>019.281 | | | Chemistry<br>Physics | |
| Rabbi<br>120.108 | | English<br>Humanities<br>Philosophy | | Psychology |
| Radiologist<br>070.108 | | | Biology<br>Chemistry | |
| Reader, First<br>132.288 | | English<br>Journalism | | |
| Reading Specialist<br>Not In D.O.T. | | | | Education, El.<br>Psychology<br>Secondary Ed. + |
| Real-Estate Broker<br>250.358 | Finance | | | |
| Real-Estate Utilization<br>Officer<br>188.168 | Finance | | | |
| Recreation Leader<br>195.228 | | Humanities | | Sociology |
| Rehabilitation Counselor<br>Not in D.O.T. | | | Biology | Psychology<br>Sociology |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | Very High | Low | | M | D | 64, 211(77), 225(105) |
| Very High | Low | Low | | M | D | 64, 225(105) |
| Very High | Low | Low | | M | | 64, 225(105) |
| High | High | Low | | M | D | 65, 148 |
| High | High | Low | | | D | 81, 148, 177(1567) |
| Very High | Average | Low | B | M | | 195, 208, 211(276), 213(429), 225(22), 236, 237 |
| High | Average | Low | B | M | | 128, 161, 211(266), 225(24) |
| High | Average | Low | B | M | D | 71, 211(256) |
| High | Low | High | B | | | 71 |
| High | Very High | Low | B | M | D | 102, 225(103) |
| High | Very High | Low | | | D | 29, 51 |
| High | Low | Low | B | | | 145, 236 |
| | | | B | M | D | |
| High | Average | Low | B | | | 162, 225(44) |
| High | Average | Low | B | M | | 128 |
| High | High | Low | B | M | | 9, 181, 211(357), 213(BU-010), 225(106) |
| | | | B | M | D | 182, 222, 211(430) |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Reporter<br>132.268 | | English<br>Journalism<br>Speech | | Sociology |
| Residence Counselor<br>045.108 | | | | Psychology |
| Revenue Agent<br>188.168 | Accounting | | | |
| Rewriter<br>132.268 | | English<br>Philosophy | | |
| Right-of-Way Agent<br>191.118 | Finance | | | |
| Rural Sociologist<br>054.088 | | | | Sociology |
| Safety Supervisor<br>166.118 | | | | Psychology<br>Secondary Ed. + |
| Salary and Wage Administrator<br>169.118 | Management | | | Sociology |
| Salesman (Sales Representative)<br>General term in D.O.T. | Marketing | Speech | | |
| Salesman, Advertising<br>258.358 | Marketing | Journalism<br>Speech | | |
| Salesman, Automobile<br>280.358 | Marketing | Speech | | |
| Salesman, Financial Service<br>252.258 | Finance<br>Marketing | Speech | | |
| Salesman, General<br>289.358 | Marketing | Speech | | |
| Salesman, Insurance<br>250.258 | Finance<br>Marketing | Speech | | |
| Salesman, Publications<br>289.358 | Any Major | Any Major | Any Major | Any Major |
| Salesman, Radio and Television Time<br>253.358 | Marketing | Journalism<br>Speech | | |
| Salesman, Real Estate<br>250.358 | Finance<br>Marketing | Speech | | |
| Salesman, Securities<br>251.258 | Finance | Speech | | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | Average | Low | B | M | | 54, 92, 186, 208, 211(113)(390), 225(118), 236, 237 |
| High | Very High | Low | B | M | | 58, 225(23) |
| High | Average | Low | B | | | 213(429), 231 |
| High | Average | Low | B | M | | 54, 186, 211(113) |
| High | High | Low | B | | | 66, 211(226), 225(24) |
| Very High | Low | Low | | M | D | 82, 225(101) |
| Very High | Low | High | B | | | 9 |
| High | High | Low | B | M | | 69 |
| | | | B | | | 148, 199, 225(45)(47) |
| High | Average | Low | B | | | 54 |
| High | Average | Low | B | | | 168, 225(42) |
| High | Average | Low | B | M | | 21 |
| High | Average | Low | B | | | 166, 225(45)(47) |
| High | Average | Low | B | M | | 134, 139, 160, 225(148) |
| High | Average | Low | B | | | 97 |
| High | Average | Low | B | | | 8, 154, 196 |
| High | Average | Low | B | | | 162, 178, 211(90), 225(44) |
| High | Average | Low | B | | | 211(252), 225(46) |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Saleswoman (Sales Representative) General term in D.O.T. | Marketing | Speech | | |
| Sanitarian 079.118 | | | Biology Chemistry | |
| Scenario Writer 131.088 | | English | | |
| Script Reader 963.288 | | English Journalism | | |
| Script Writer 131.088 | | English Journalism Speech | | |
| Securities Analyst 020.188 | Finance | | Mathematics | Economics |
| Securities Trader 162.158 | Finance | | | |
| Short Story Writer 130.088 | | English Philosophy Speech | | |
| Social Ecologist 054.088 | | | Biology | Sociology |
| Social Group Worker 195.108 | | Languages + | | Psychology Sociology |
| Social Pathologist 054.088 | | | | Sociology |
| Social Worker General term in D.O.T. | | | | Sociology |
| Social Worker, Delinquency Prevention 195.108 | | Languages + | | Sociology |
| Social Worker, Medical 195.108 | | Languages + | | Sociology |
| Social Worker, Psychiatric 195.108 | | Languages + | | Psychology Sociology |
| Social Worker, School 195.108 | | Languages + | | Sociology |
| Sociologist 054.088 | | | | Sociology |
| Soil Bacteriologist 041.081 | | | Biology | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| | | | B | | | 148, 199, 225(45)(47) |
| High | High | Low | B | M | | 65, 225(100) |
| Very High | Low | Low | B | | | 120 |
| High | Low | Low | B | | | |
| Very High | Low | Low | B | | | 236 |
| High | Low | Low | B | M | | 211(260) |
| High | Average | Low | B | | | |
| Very High | Low | Low | B | | | 236 |
| Very High | Low | Low | | M | D | 82 |
| High | Very High | Low | | M | | 148, 201, 211(122), 213(426), 225(107) |
| Very High | Low | Low | | M | D | 82 |
| | | | | M | D | 148, 201, 211(122), 213(426), 225(107) |
| High | Very High | Low | | M | | 148, 201, 211(122), 213(426), 225(107) |
| High | Very High | Low | | M | | 148, 201, 211(122), 213(426), 225(107) |
| High | Very High | Low | | M | | 51, 148, 201, 211(122), 213(426), 225(107) |
| High | Very High | Low | | M | | 148, 201, 211(122), 225(107) |
| Very High | Low | Low | | M | D | 82, 225(101) |
| Very High | Low | High | | M | D | 68 |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Solicitor, City or State<br>110.118 | | | | Government |
| Special Agent, F.B.I.<br>375.168 | Accounting | | | |
| Special Agent, Group Insurance<br>169.168 | Finance<br>Marketing | | | |
| Spectroscopist<br>011.281 | | | Chemistry | |
| Speech and Hearing Clinician<br>079.108 | | Speech | Biology | Psychology |
| Speech Pathologist<br>079.108 | | Speech | Biology | Psychology |
| Sports Announcer<br>159.148 | | Journalism<br>Speech | | |
| State-Highway Patrolman<br>375.268 | | | | Sociology |
| Statistician, Applied<br>020.188 | | | Mathematics | |
| Statistician, Biological and Agricultural Science<br>020.188 | | | Biology<br>Mathematics | |
| Statistician, Business and Economics<br>020.188 | | | Mathematics | Economics |
| Statistician, Financial<br>020.188 | Finance | | Mathematics | |
| Statistician, Mathematical<br>020.088 | | | Mathematics | |
| Statistician, Opinion Polling<br>020.188 | | | Mathematics | Psychology<br>Sociology |
| Statistician, Physical Science and Engineering<br>020.188 | | | Mathematics<br>Physics | |
| Statistician, Social Science<br>020.188 | | | Mathematics | Psychology |
| Statistician, Vital<br>020.188 | | | Mathematics | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | High | Low | | | D | |
| High | Average | Low | B | M | D | 223, 225(35) |
| High | Average | Low | B | M | | 134 |
| High | Low | High | B | | | |
| High | Very High | Low | | M | D | 83, 150, 225(95) |
| High | Very High | Low | | M | D | 51, 83, 150, 213(WA-7-27), 225(95) |
| High | Average | Low | B | | | 154, 211(390) |
| High | Average | Low | B | | | 211(307), 225(38) |
| High | Low | Low | B | M | D | 84, 135, 211(300), 213(424), 225(66) |
| High | Low | Low | B | M | D | 84, 135 |
| High | Low | Low | B | M | D | 84, 135, 225(66) |
| High | Low | Low | B | M | D | 84 |
| Very High | Low | Low | B | M | D | 84, 135, 211(300), 225(66) |
| High | Low | Low | B | M | D | 84, 225(66) |
| High | Low | Low | B | M | D | 84, 135, 225(66) |
| High | Low | Low | B | M | D | 84, 135, 225(66) |
| High | Low | Low | B | M | D | |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Stock-Control Supervisor 223.138 | Accounting | | | |
| Stock Supervisor 223.138 | Management Marketing | | | |
| Superintendent, Building 187.168 | Management | | | |
| Superintendent, Institution 187.118 | Management | | | |
| Superintendent, Sales 250.158 | Marketing | | | |
| Supervisor, Credit Union 186.168 | Finance | | | |
| Supervisor, Historic Sites 109.118 | Management | Humanities | | History |
| Supervisor, Publications 132.038 | | Journalism | Biology Chemistry Mathematics Physics | |
| Supervisor, Terminal 184.168 | Management | | | |
| Surgeon 070.101 | | | Biology Chemistry | |
| Systems Analyst, Business-Electronic-Data Processing 012.168 | Accounting Management | | Mathematics | |
| Systems Analyst, Engineering-Scientific 020.088 | | | Mathematics Physics | |
| Tax Attorney 110.118 | Accounting | | | |
| Tax Economist 050.088 | Accounting | | | Economics |
| Teacher, Art 149.028 | | Humanities | | Education Secondary Ed. + |
| Teacher, Biology Not in D.O.T. See Teacher, Secondary School | | | Biology | Secondary Ed. + |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | Average | Low | B | | | 166 |
| High | Average | Low | B | | | 128 |
| High | Average | Low | B | | | 162 |
| High | High | Low | | M | D | |
| High | Average | Low | B | | | |
| High | Average | Low | B | M | | 118, 211(419) |
| High | High | Low | | M | D | 11 |
| Very High | High | Low | B | M | D | |
| High | Average | Low | B | M | | |
| High | Very High | High | | | D | 30, 213(WAH-902), 225(90) |
| High | Average | Low | B | M | D | 34, 105, 114, 213(420), 225(20) |
| Very High | Low | Low | B | M | D | 34, 105, 114, 213(420), 225(20) |
| High | High | Low | | | D | 231, 225(27) |
| Very High | Low | Low | B | M | D | 33, 225(101) |
| Very High | High | Low | B | M | | 149 |
| | | | B | M | | 184 |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Teacher, Blind<br>094.288 | Accounting<br>Finance<br>Management<br>Marketing | English<br>Humanities<br>Journalism<br>Languages<br>Speech | Biology<br>Chemistry<br>Mathematics<br>Physics | Econ. Educ., El. Gov't History<br>Psychology<br>Secondary Ed. +<br>Sociology |
| Teacher, Chemistry<br>Not in D.O.T. See Teacher, Secondary School | | | Chemistry | Secondary Ed. + |
| Teacher, Commercial<br>091.228 | Accounting<br>Finance<br>Management<br>Marketing | | | Secondary Ed. + |
| Teacher, Deaf<br>094.288 | Accounting<br>Finance<br>Management<br>Marketing | English<br>Humanities<br>Journalism<br>Languages<br>Speech | Biology<br>Chemistry<br>Mathematics<br>Physics | Econ. Educ., El. Gov't. History<br>Psychology<br>Secondary Ed. +<br>Sociology |
| Teacher, Drama<br>150.028 | | English<br>Speech | | Secondary Ed. + |
| Teacher, Elementary School<br>092.228 | | | | Education |
| Teacher, English<br>Not in D.O.T. See Teacher, Secondary School | | English | | Secondary Ed. + |
| Teacher, Foreign Language<br>Not in D.O.T. See Teacher, Secondary School | | Languages | | Secondary Ed. + |
| Teacher, Handicapped Children<br>094.228 | Accounting<br>Finance<br>Management<br>Marketing | English<br>Humanities<br>Journalism<br>Languages<br>Speech | Biology<br>Chemistry<br>Mathematics<br>Physics | Econ. Educ., El. Gov't. History<br>Psychology<br>Secondary Ed. +<br>Sociology |
| Teacher, History<br>Not in D.O.T. See Teacher, Secondary School | | | | History<br>Secondary Ed. + |
| Teacher, Homebound*<br>General term in D.O.T. | Accounting<br>Finance<br>Management<br>Marketing | English<br>Humanities<br>Journalism<br>Languages<br>Speech | Biology<br>Chemistry<br>Mathematics<br>Physics | Econ. Educ., El. Gov't. History<br>Psychology<br>Secondary Ed. +<br>Sociology |
| Teacher, Humanities<br>Not in D.O.T. See Teacher, Secondary School | | Humanities | | Secondary Ed. + |

* Teacher, Homebound generally does not require teacher certification.

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | Low* | Low | | M | | 93, 211(10) |
| | | | B | M | | 184 |
| High | High | Low | B | M | | 211(398) |
| High | Low* | Low | B | M | | 115, 211(110) |
| Very High | High | Low | B | M | | 85, 225(108) |
| High | High | Low | B | M | | 16, 36, 90, 211(10), 213(73) (LK-0-14), 225(40) |
| | | | B | M | | 148, 225(40) |
| | | | B | M | | 148, 213(73), 225(40) |
| High | High | Low | B | M | | 117, 211(110), 213(73) |
| | | | B | M | | |
| | | | B | M | | |
| | | | B | M | | 151 |

* It is suggested that you substitute: High

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Teacher, Journalism<br>Not in D.O.T. See Teacher, Secondary School | | Journalism | | Secondary Ed. + |
| Teacher, Junior College<br>090.228 | Any Major | Any Major | Any Major | Any Major |
| Teacher, Kindergarten<br>092.228 | | | | Education, El. |
| Teacher, Mathematics<br>Not in D.O.T. See Teacher, Secondary School | | | Mathematics | Secondary Ed. + |
| Teacher, Mentally Retarded<br>094.228 | Accounting<br>Finance<br>Management<br>Marketing | English<br>Humanities<br>Journalism<br>Languages<br>Speech | Biology<br>Chemistry<br>Mathematics<br>Physics | Econ. Educ., El.<br>Gov't. History<br>Psychology<br>Secondary Ed. +<br>Sociology |
| Teacher, Nursery School<br>359.878 | | | | Education, El. |
| Teacher, Physics<br>Not in D.O.T. See Teacher, Secondary School | | | Physics | Secondary Ed. + |
| Teacher, Secondary School<br>091.288 | Accounting<br>Finance<br>Management<br>Marketing | English<br>Humanities<br>Journalism<br>Languages<br>Speech | Biology<br>Chemistry<br>Mathematics<br>Physics | Economics<br>Gov't. History<br>Psychology<br>Secondary Ed. +<br>Sociology |
| Teacher, Speech<br>091.228 | | Speech | | Secondary Ed. + |
| Teller, Foreign Exchange, Head<br>212.138 | Finance | Languages + | | |
| Teller, Head<br>212.138 | Finance | | | |
| Ticket Agent<br>919.368 | Marketing | | | |
| Tissue Technologist<br>078.381 | | | Biology | |
| Title Examiner<br>119.288 | Finance | | | |
| Title Writer<br>131.088 | | English<br>Journalism | | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| | | | B | M | | |
| High | High | Low | | M | D | 15, 132, 211(139), 225(40) |
| High | High | Low | B | M | | 16, 90, 213(73), 225(40) |
| | | | B | M | | 172, 225(40) |
| High | High | Low | B | M | | 152, 211(110) |
| Low* | Low* | Low | B | | | 90, 211(275) |
| | | | B | M | | 184 |
| High | Low* | Low | B | M | | 36, 211(57), 213(73) (LK-0-14), 225(40) |
| High | High | Low | B | M | | 210 |
| High | High | Low | B | | | 21, 148, 225(147) |
| High | High | Low | B | | | 21, 211(109), 225(147) |
| High | Average | Low | B | | | 4, 211(99) |
| High | Low | High | B | | | 198, 213(BH-1-01), 225(93) |
| High | Low | Low | B | | | 211(277) |
| Very High | Low | Low | B | | | 120, 148 |

* It is suggested that you substitute: High

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Traffic-Rate Clerk<br>219.388 | Accounting<br>Management<br>Marketing | Languages + | | |
| Training Instructor<br>166.228 | Management | | | Psychology<br>Secondary Ed. + |
| Training Supervisor<br>166.228 | Management | | | Psychology<br>Secondary Ed. + |
| Translator<br>137.288 | | Languages | | |
| Translator, Radio Communications<br>137.288 | | Languages | | |
| Translator, Scientific Documents<br>137.288 | | Languages | Biology<br>Chemistry<br>Mathematics<br>Physics | |
| Travel Clerk<br>242.368 | Marketing | Languages + | | |
| Treasurer<br>161.118 | Accounting<br>Finance | | | |
| Trust Officer<br>186.118 | Finance | | | |
| Underwriter<br>169.188 | Finance | | | |
| Urban Planner<br>199.168 | | | | Economics<br>Government<br>Sociology |
| Urban Sociologist<br>054.088 | | | | Sociology |
| Urologist<br>070.108 | | | Biology<br>Chemistry | |
| Veterans' Claims Representative<br>187.168 | | | | Government |
| Veterinarian<br>073.108 | | | Biology<br>Chemistry | |
| Vista Volunteer<br>Not in D.O.T. | Any Major | Any Major | Any Major | Any Major |
| Vocational Counselor<br>045.108 | | | | Psychology |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| High | Low | Low | B | | | 80, 211(219), 213(WA-6-13) |
| High | High | Low | B | M | D | 69, 213(429), 225(23) |
| High | High | Low | B | M | D | 69, 211(353), 213(76)(429) 225(23) |
| High | Low | Low | B | M | | 86, 148, 207, 227 |
| High | Low | Low | B | M | | 148 |
| High | Low | Low | B | M | D | 148 |
| High | Average | Low | B | | | 131, 211(213), 218 |
| High | High | Low | B | M | | 126, 225(147) |
| High | High | Low | B | M | | 21, 225(147) |
| High | Low | Low | B | M | | 43, 134, 138, 211(55)(431), 225(148) |
| High | Average | Low | B | M | D | 46, 79, 162, 211(175), 225(117) |
| Very High | Low | Low | | M | D | 82, 225(101) |
| High | Very High | Low | | | D | 51, 213(WAH-902) |
| High | Average | Low | B | M | D | 235(05-51) |
| High | Very High | Low | | | D | 87, 130, 211(282), 225(92), 213(WAH-907) |
| | | | B | M | D | 2 |
| High | Very High | Low | | M | D | 211(428) |

| OCCUPATIONAL TITLE AND D.O.T. CODE NUMBER | DESIRABLE COLLEGE MAJORS BY FOUR AREAS | | | |
|---|---|---|---|---|
| | BUSINESS | HUMANITIES | NATURAL SCIENCE | SOCIAL SCIENCE |
| Weather Forecaster<br>025.088 | | | Physics | |
| Weather Observer<br>025.288 | | | Physics | |
| Wholesaler<br>185.168 | Marketing | | | |
| Writer<br>General term in D.O.T. | | English<br>Journalism | | |
| Writer-Announcer, Bilingual<br>International Broadcast<br>159.148 | | Journalism<br>Languages +<br>Speech | | |
| Writer, News, International<br>Broadcast<br>131.068 | | English<br>Journalism<br>Languages + | | |
| Writer, Technical Publications<br>139.288 | | English<br>Journalism | Physics | |
| Young-Adult Librarian<br>100.168 | Any Major | Any Major | Any Major | Any Major |
| Zoologist<br>041.081 | | | Biology | |

| LEVEL OF ABILITY DEALING WITH | | | DEGREE REQUIRED OR DESIRABLE | | | SOURCES OF INFORMATION |
|---|---|---|---|---|---|---|
| DATA | PEOPLE | THINGS | BACHELOR'S | MASTER'S | DOCTORATE | |
| Very High | Low | Low | B | M | D | 53, 211(200), 217, 225(64) |
| High | Low | Low | B | | | 53, 217 |
| High | Average | Low | B | | | 166 |
| | | | B | | | 236 |
| High | Average | Low | B | M | | 148 |
| Very High | Average | Low | B | M | | 148, 197 |
| High | Low | Low | B | M | | 163, 203, 208, 211(138), 225(118), 236 |
| High | Average | Low | | M | D | 211(154), 225(41) |
| Very High | Low | High | B | M | D | 81, 213(421), 214, 225(65) |

# Part 3

## Sources of Career Information

## SOURCES OF CAREER INFORMATION

Career information has to be up-to-date as to duties and requirements, and has to convey the atmosphere of the environment in which the work takes place.

Career information obtained from professional associations has been emphasized because to a large extent such associations set the standards for their professions. Also, their literature conveys something of the climate in which members of a particular profession work. For example, you may get one impression of the atmosphere of the profession of urban planner from literature received from a real estate association, and another impression from literature from an organization involved in urban planning.

After you have selected one or more careers, you can get descriptions of the nature of the work involved in each career in the *Dictionary of Occupational Titles: Part 1*.

But before deciding on a career direction for your college years, you should learn from additional career literature about:

What needs exist for the occupation.
What kinds of duties and responsibilities are involved.
In what kinds of places and under what conditions you would work.
With what kinds of people you would work.
Who benefits from your work.
What the entrance requirements are by education and experience.
What kinds of personality a person in the work should have.
What kinds of education or training are needed.
What opportunities there are for advancement.
What level of income you can expect.
What chances of employment there are in the future.

Seek thorough and adequate information from the pertinent career literature, but also seek the aid of a counselor where appropriate. Viewing films, taking field trips, engaging in one-day internships, talking with professionals at their jobs—these are a few of the additional ways in which you can help familiarize yourself with different occupations.

To secure the helpful career literature noted here, do the following:

1. For *each* occupation in which you are interested, write letters to every association or agency listed by number in the column *Sources of Information*.
2. Ask that information be sent to you about the specific career in which you are interested. Specify the occupational title and the D.O.T. code number.
3. When a number for a source of information is followed by a number in parentheses, ask for the pamphlet by the number in the parentheses.
4. Make sure that you have included a return address in your letter.

Here is a sample letter:

17 North Gateway
Winchester, MA 01890

July 1, 1976

State of California
Employment Development Department
800 Capitol Mall
Sacramento, CA 95814

Dear Person:

Please send me information about the career of Financial Analyst 020. 188, Pamphlet Number 260. Thank you.

Sincerely yours,

Your information will be more complete if you write to all of the sources given. This will help provide a total picture covering training, outlook for the occupation, and other pertinent data. Additional help is available from school counselors, teachers, and members of the community in the particular occupation.

# SOURCES OF CAREER INFORMATION

## PROFESSIONAL ASSOCIATIONS AND GOVERNMENT AGENCIES

**SOURCE NUMBER**

1. Accoustical Society of America, 335 East 45th St., New York, N.Y. 10017
2. Action, Director of Personnel, 806 Connecticut Ave., N.W., Washington, D.C. 20525
3. Agency for International Development, Office of Personnel and Manpower, Washington, D.C. 20523
4. Air Line Employees Assn., 5600 S. Central Ave., Chicago, Ill. 60638
5. American Academy of Pediatrics, Box 1034, Evanston, Ill. 60204
6. American Accoustics Society, 1001 E Street N.W., Washington, D.C. 20010
7. American Advertisers Assn., 1220 Broadway, New York, N.Y. 100218. American Advertising Federation, 1225
8. American Advertising Federation, 1225 Connecticut Ave., N.W., Washington, D.C. 20036
9. American Alliance for Health, Physical Education, and Recreation, 1201 16th St., N.W., Washington, D.C. 20036
10. American Anthropological Association, 1703 New Hampshire Ave., N.W., Washington, D.C. 20009
11. American Assn. for State and Local History, 1313 Eighth Ave., Nashville, Tenn. 37203
12. American Association of Advertising Agencies, 200 Park Ave., New York, N.Y. 10017
13. American Association of Anatomists, Dept. of Anatomy, Univ. of Arkansas Medical Center, Little Rock, Arkansas 72201
14. American Assn. of Clinical Chemists, 1155 16th St., N.W., Washington, D.C. 20036
15. American Assn. of Community and Junior Colleges, One Dupont Circle, N.W., Washington, D.C. 20036
16. American Assn. of Elementary Kindergarten, Nursery Educators, 1201 16th St., N.W., Washington, D.C. 20036
17. American Assn. of Ophthalmologists, 1100 17th St., N.W., Washington, D.C. 20036
18. American Association of Physical Anthropologists, 210 Switzler Hall, University of Missouri, Columbia, Mo. 65201
19. American Assn. of University Professors, One Dupont Circle, N.W., Washington, D.C. 20036
20. American Astronomical Society, 211 Fitz Randolph Rd., Princeton, N.J. 08540
21. American Bankers Association, Bank Personnel Division, 1120 Connecticut Ave., N.W., Washington, D.C. 20036
22. American Bankers Association, Director of Marketing, 1120 Connecticut Ave., N.W., Washington, D.C. 20036
23. American Bar Assn., Information Service, 1155 East 60th St., Chicago, Ill. 60637
24. American Bar Assn., Law Student Division, 1155 East 60th St., Chicago, Ill. 60637

**SOURCE NUMBER**

25. American Chamber of Commerce Executives, 1133 15th St., N.W., Washington, D.C. 20005
26. American Chemical society, 1155 16th St., Washington, D.C., 20036
27. American College of Hospital Administrators, 840 North Lake Shore Drive, Chicago, Ill. 60611
28. American College of Obstetricians and Gynecologists, 1 East Walker Dr., Chicago, Ill. 60601
29. American College of Radiology, 20 North Wacker Dr., Chicago, Ill. 60606
30. American College of Surgeons, 55 East Erie St., Chicago, Ill. 60611
31. American Correctional Assn., 4321 Hartwick Rd., Ste. 208, College Park, Md. 20740
32. American Dental Assn., Council on Dental Education, 211 East Chicago Ave., Chicago, Ill. 60611
33. American Economic Assn., 1313 21st Ave. South, Nashville, Tenn. 37212
34. American Federation of Information Processing Societies, 210 Summit Ave., Montvale, N.Y. 07645
35. American Federation of Labor and Congress of Industrial Organizations, 815 16th St., N.W., Washington, D.C. 20006
36. American Federation of Teachers, AFL-CIO, 1012 14th St., N.W., Washington, D.C. 20005
37. American Federation of Television and Radio Artists, 1350 Avenue of the Americas, New York, N.Y. 10019
38. American Geophysical Union, 1707 L St., N.W., Washington, D.C. 20036
39. American Historical Association, 400 A St., S.E., Washington, D.C. 20003
40. American Hospital Assn., 840 North Lake Short Drive, Chicago, Ill., 60611
41. American Industrial Development Council, 215 W. Pershing Rd., Kansas City, Mo. 64108
42. American Industrial Hygiene Assn., 66 S. Miller Rd., Akron, Ohio 44313
43. American Institute for Property and Liability Underwriters, Providence and Sugartown Roads, Malvern, Penn. 19355
44. American Institute of Certified Public Accountants, 666 Fifth Ave., New York, N.Y. 10019
45. American Institute of Physics, 335 East 45th St., New York, N.Y. 10017
46. American Institute of Planners, 917 15th St., N.W., Washington, D.C. 20005
47. American Library Assn., Office for Library Personnel Resources, 50 East Huron St., Chicago, Ill. 60611
48. American Management Association, Management Information Services, 135 W. 50th St., New York, N.Y. 10020

**SOURCE NUMBER**

49. American Marketing Assn., 230 N. Michigan Ave., Chicago, Ill. 60601
50. American Mathematical Society, Box 6248, Providence, R.I. 02940
51. American Medical Assn., 535 North Dearborn St., Chicago, Ill. 60610
52. American Medical Record Assn., 875 North Michigan Ave., Chicago, Ill. 60611
53. American Meteorology Society, 45 Beacon St., Boston, Mass. 02108
54. American Newspaper Publishers Assn. Foundation, Box 17407, Dulles International Airport, Washington, D.C. 20041
55. American Nuclear Society, 244 East Ogden Ave., Hinsdale, Ill. 60521
56. American Optometric Assn., 7000 Chippewa St., St. Louis, Mo. 63119
57. American Osteopathic Assn., 212 East Ohio St., Chicago, Ill. 60611
58. American Personnel and Guidance Assn., 1607 New Hampshire Ave., N.W., Washington, D.C. 20009
59 American Physiological Society, 9650 Rockville Pike, Bethesda, Md. 20014
60. American Phytopathological Society, 3340 Pilot Knob Rd., St. Paul, Minn. 55121
61. American Podiatry Assn., 20 Chevy Chase Circle, N.W., Washington, D.C. 20015
62. American Political Science Assn., 1527 New Hampshire Ave., N.W., Washington, D.C. 20036
63. American Psychiatric Assn., 1700 18th St., N.W., Washington, D.C. 20009
64. American Psychological Assn., 1200 17th St., N.W., Washington, D.C. 20036
65. American Public Health Assn., 1015 18th St., N.W., Washington, D.C. 20036
66. American Right of Way Assn., 3727 W. 6th St., Los Angeles, Calif. 90005
67. American Society for Medical Technology, Ste. 200, 5555 West Loop South, Houston, Texas 77401
68. American Society for Microbiology, 1913 I St., N.W., Washington, D.C. 20006
69. American Society for Personnel Administration, 19 Church St., Berea, Ohio 44017
70. American Society for Pharmacology and Experimental Therapeutics, 9650 Rockville Pike, Bethesda, Md. 20014
71. American Society for Quality Control, 161 W. Wisconsin Ave., Milwaukee, Wisc. 53203
72. American Society of Anesthesiologists, 515 Busse Highway, Park Ridge, Ill. 60068
73. American Society of Appraisers, Box 17265, Dulles International Airport, Washington, D.C. 20041
74. American Society of Association Executives, 1101 16th St., N.W., Washington, D.C. 20036

**SOURCE NUMBER**

75. American Society of Biological Chemists, 9650 Rockville Pike, Bethesda, Md. 20014
76. American Society of Clinical Pathologists, 2100 W. Harrison St., Chicago, Ill. 60612
77. American Society of Insurance Management, 10 E. 49th St., New York, N.Y. 10017
78. American Society of Photogrammetry, 1515 Massachusetts Ave., N.W., Washington, D.C. 20005
79. American Society of Planning Officials, 1313 East 60th St., Chicago, Ill. 60637
80. American Society of Traffic and Transportation, Inc., 547 West Jackson Blvd., Chicago, Ill. 60606
81. American Society of Zoologists, Box 2739, Calif. Lutheran College, Thousand Oaks, Calif. 91360
82. American Sociological Assn., 1001 Connecticut Ave., N.W., Washington, D.C. 20036
83. American Speech and Hearing Assn., 9030 Old Georgetown Rd., Washington, D.C. 20014
84. American Statistical Assn., 806 15th St., N.W., Washington, D.C. 20005
85. American Theatre Assn., 1317 F St., N.W., Washington, D.C. 20005
86. American Translators Assn., Box 129, Croton-on-Hudson, N.Y. 10520
87. American Veterinary Medical Assn., 600 S. Michigan Ave., Chicago, Ill. 60605
88. Archaeological Institute of America, 260 W. Broadway, New York, N.Y. 10013
89. Associated Actors and Artists of America, 165 W. 46th St., New York, N.Y. 10036
90. Assn. for Childhood Education International, 3615 Wisconsin Ave., N.W., Washington, D.C. 20016
91. Assn. for Educational Communications and Technology Publications, 1201 16th St., N.W., Washington, D.C. 20036
92. Assn. for Education in Journalism, 118 Reavis Hall, Northern Illinois University, DeKalb, Ill. 60115
93. Assn. for Education of the Visually Handicapped, 919 Walnut St., Philadelphia, Penn. 19107
94. Assn. for Institutional Research, College of Education, Florida State University, Tallahassee, Fla. 32306
95. Assn. of American Geographers, 1710 16th St., N.W., Washington, D.C. 20009
96. Assn. of American Medical Colleges, 1776 Massachusetts Ave., N.W., Washington, D.C. 20036
97. Assn. of American Publishers, One Park Ave., New York, N.Y. 10016
98. Assn. of Federal Appraisers, Box 466, Silver Spring, Md. 20907
99. Assn. of Industrial Advertisers, 41 East 42nd St., New York, N.Y. 10017
100. Assn. of National Advertisers, 155 East 44th St., New York, N.Y. 10017

**SOURCE NUMBER**

101. Biophysical Society, National Biomedical Research Foundation, Georgetown Univ. Medical Center, Washington, D.C. 20007
102. B'nai B'rith Career and Counseling Services, 1640 Rhode Island Ave., N.W., Washington, D.C. 20036
103. Board for Certification of Genealogists, 1307 New Hampshire Ave., N.W., Washington, D.C. 20036
104. Botanical Society of America, New York Botanical Garden, Bronx, N.Y. 10458
105. Business Equipment Manufacturers Assn., 1828 L St., N.W., Washington, D.C. 20036
106. Calif. State Univ. of Fresno, Dept. of Criminology, Fresno, Calif. 93740
107. Central Intelligence Agency, Office of Personnel, Washington, D.C. 20505
108. Chamber of Commerce of the U.S., International Group, 1615 H St., N.W., Washington, D.C. 20006
109. Child Welfare League of America, 67 Irving Place, New York, N.Y. 10003
110. Clinical Cytology Program, 229 Forsyth Bldg., 360 Huntington Ave., Boston, Mass. 02115
111. Club Managers Assn. of America, 5530 Wisconsin Ave., N.W., Washington, D.C. 20015
112. College of American Pathologists, 7400 N. Skokie Blvd., Skokie, Ill, 60076
113. College Placement Council, Box 2263, Bethlehem, Penn. 18001
114. Computer and Business Equipment Manufacturers Assn., 1828 L St., N.W., Washington, D.C. 20036
115. Convention of American Instructors of the Deaf, 5034 Wisconsin Ave., N.W., Washignton, D.C. 20016
116. Correctional Education Assn., Patuxent Institution, Jessup, Md. 20794
117. Council for Exceptional Children, 1920 Association Dr., Reston, Va. 22091
118. Credit Union National Assn., 1617 Sherman Ave., Box 431, Madison, Wisc. 53701
19. Direct Mail Educational Foundation, 230 Park Ave., New York, N.Y. 10017
120. Eastman Kodak Co., 343 State St., Rochester, N.Y. 14650
121. Edison Electrical Institute, 90 Park Ave., New York, N.Y. 10016
122. Educational Institute of the American Hotel and Motel Assn., 77 Kellog Center, 1407 South Harrison Rd., Michigan State Univ., East Lansing, Mich. 48823
123. Entomological Society of America, 4603 Calvert Rd., College Park, Md. 20740
124. Federal Library Committee, Room 310, Library of Congress, Washington, D.C. 20540
125. Financial Analysts Federation, 219 E. 42nd St., New York, N.Y. 10017
126. Financial Executives Institute, 633 Third Ave., New York, N.Y. 10017

**SOURCE NUMBER**

127. Fraternal Order of Police, National Headquarters, G-3136 W. Pasadena Ave., Flint, Michigan 48504
128. General Services Administration, Office of Personnel, Washington, D.C. 20405
129. Hebrew Union college and Jewish Institute of Religion, 3103 Clifton Ave., Cincinnati, Ohio 45220
130. Humane Society of the United States, 2100 L St., N.W., Washington, D.C. 20037
131. Institute of Certified Travel Agents, 148 Linden St., Wellesley, Mass. 02181
132. Institute of Higher Education, College of Education, University of Florida, Gainesville, Fla. 32601
133. Institute of Internal Auditors, 5500 Diplomat Circle, Orlando, Fla. 32810
134. Institute of Life Insurance, 277 Park Ave., New York, N.Y. 10017
135. Institute of Mathematical Statistics, Medical Research Bldg. IV, University of California, San Francisco, Calif. 94122
136. Institute of Real Estate Management of the National Assn. of Real Estate Boards, 155 East Superior St., Chicago, Ill. 60611
137. Institute of Real Estate Management of the National Association of Realtors, 155 East Superior St., Chicago, Ill. 60611
138. Insurance Information Institute, 110 William St., New York, N.Y. 10038
139. Insurance Institute of America, American Institute for Property and Liability Underwriters, Providence and Sugartown Rds., Malvern, Penn. 19355
140. International Assn. of Chiefs of Police, 11 Firstfield Rd., Gaithersburg, Md. 20760
141. International City Management Assn., 1140 Connecticut Ave., N.W., Washington, D.C. 20036
142. International Oceanographic Foundation, 10 Rickenbacker Causeway, Virginia Key, Miami, Fla. 33149
143. International Personnel Management Assn., 1313 East 60th St., Chicago, Ill. 60637
144. Intersociety Committee on Pathology Information, 9650 Rockville Pike, Bethesda, Md. 20014
145. Magazine Publishers Assn., 575 Lexington Ave., New York, N.Y. 10022
146. Manufacturing Chemists Assn., 1825 Connecticut Ave., N.W., Washington, D.C. 20009
147. Medical Library Assn., 919 N. Michigan Ave., Chicago, Ill. 60611
148. Modern Language Assn. of America, 62 Fifth Ave., New York, N.Y. 10011
149. National Art Education Assn., 1916 Association Dr., Reston, Va. 22091
150. National Assn. for Hearing and Speech Agencies, 814 Thayer Ave., Silver Spring, Md. 20910
151. National assn. for Humanities Education, Box 628, Kirksville, Mo. 63501

**SOURCE NUMBER**

152. National Assn. for Retarded Citizens, 2709 Ave., E. East, Box 109, Arlington, Texas 76011
153. National Assn. of Accountants, 919 Third Ave., New York, N.Y. 10022
154. National Assn. of Broadcasters, 1771 N. St., N.W., Washington, D.C. 20036
155. National Assn. of Business Economists, 888 17th St., N.W., Washington, D.C. 20006
156. National Assn. of College and University Business Officers, One DuPont Circle, Ste. 510, Washington, D.C. 20036
157. National Assn. of Credit Management, 475 Park Ave., South, New York, N.Y. 10016
158. National Assn. of Educational Broadcasters, 1346 Connecticut Ave., N.W., Washington, D.C. 20036
159. National Assn. of Greeting Card Publishers, 200 Park Ave., New York, N.Y. 10017
160. National Assn. of Mutual Insurance Agents, Investment Building, 1511 K St., N.W., Washington, D.C. 20005
161. National Assn. of Purchasing Management, 11 Park Place, New York, N.Y. 10007
162. National Assn. of Realtors, 155 East Superior, Chicago, Ill. 60611
163. National Assn. of Science Writers, Box H, Sea Cliff, N.Y. 11579
164. National Assn. of Secondary School Principals, 1904 Association Dr., Reston, Va. 22091
165. National Assn. of Student Personnel Administrators, Portland State University, Box 751, Portland, Ore. 97207
166. National Assn. of Wholesaler-Distributors, 1725 K St., N.W., Washington, D.C. 20006
167. National Assn. of Wholesalers, 1725 K St., N.W., Washington, D.C. 20006
168. National Automobile Dealers' Assn., Public Relations Dept., 200 K St., N.W., Washington, D.C. 20006
169. National Consumer Finance Assn., 1000 16th St., N.W., Washington, D.C. 20036
170. National Council of Churches, Professional Church Leadership, 475 Riverside Dr., New York, N.Y. 10027
171. National Council of Physical Distribution Management, 222 W. Adams St., Chicago, Ill. 60606
172. National Council of Teachers of Mathematics, 1906 Association Dr., Reston, Va. 22091
173. National Criminal Justice Educational Consortium, Arizona State Univ., Tempe, Arizona 85281
174. National Foreign Trade Council, 10 Rockefeller Plaza, New York, N.Y. 10020
175. National Forest Products Assn., Wood Industry Careers, 1619 Massachusetts Ave., N.W., Washington, D.C. 20036

**SOURCE NUMBER**

176. National Genealogical Society, 1921 Sunderland Place, N.W., Washington, D.C. 20036
177. *National Institutes of Health, Personnel Office, 9000 Rockville Pike, Bethesda, Md. 20014
178. National Institute of Real Estate Brokers, 155 E. Superior St., Chicago, Ill. 60611
179. National Labor Relations Board, Director of Personnel, 1717 Pennsylvania Ave., N.W., Washington, D.C. 20570
180. National Press Photographers' Assn., Box 1146, Durham, N.C. 27702
181. National Recreation and Parks Assn., 1601 North Kent St., Arlington, Va. 22209
182. National Rehabilitation Counseling Assn., 1522 K St., N.W., Washington, D.C. 20005
183. National Retail Merchants Assn., 100 W. 31st St., New York, N.Y. 10001
184. National Science Teachers Assn., 1742 Connecticut Ave., N.W., Washington, D.C. 20009
185. National Society of Public Accountants, 1717 Pennsylvania Ave., N.W., Washington, D.C. 20006
186. Newspaper Fund, Box 300, Princeton, N.J. 08540
187. New York Heart Assn., 2 East 64th St., New York, N.Y. 10021
188. New York Life Insurance Co., Career Information Service, Box 51, Madison Square Station, New York, N.Y. 10010
189. Northeastern University, College of Pharmacy and Allied Health Professions, 360 Huntington Ave., Boston, Mass. 02115
190. Operations Research Society of America, 428 East Preston St., Baltimore, Md. 21202
191. Pharmaceutical Manufacturers' Assn., 1155 15th St., N.W., Washington, D.C. 20005
192. Planning Executives Institute, 5500 College Corner Pike, Oxford, Ohio 45056
193. Professional Photographers of America, 1090 Executive Way, Oak Leaf Commons, Des Plaines, Ill. 60018
194. Public Affairs Pamphlets, 381 Park Ave. South, New York, N.Y. 10016
195. Public Relations Society of America, 845 Third Ave., New York, N.Y. 10022
196. Radio Advertising Bureau, 555 Madison Ave., New York, N.Y. 10022
197. Radio Television News Directors Assn., WKAR, Michigan State Univ., East Lansing, Michigan 48823
198. Registry of Medical Technologists (ASCP), Box 4872, Chicago, Ill. 60680
199. Sales and Marketing Executives Int'l., Inc., 380 Lexington Ave., New York, N.Y. 10017
200. Serra International, 22 West Monroe, Chicago, Ill. 60603

*When writing to NIH provide the number in parenthese which appears to the right of the source number in the SOURCES OF INFORMATION column in *Part 2*.

**SOURCE NUMBER**

201. Social Work Careers Information Service, National Assn. of Social Workers, 2 Park Avenue, New York, N.Y. 10016
202. Society for Industrial and Applied Mathematics, 33 S. 17th St., Philadelphia, Penn. 19103
203. Society for Technical Communications, Inc., Suite 421, 1010 Vermont Ave., N.W., Washington, D.C. 20005
204. Society of Actuaries, 208 South LaSalle St., Chicago, Ill. 60604
205. Society of American Archivists, The Library, Box 8198 Univ. of Illinois, Chicago Circle, Chicago, Ill. 60680
206. Society of Authors' Representatives, 101 Park Ave., New York, N.Y. 10017
207. Society of Federal Linguists, Box 7765, Washington, D.C. 20044
208. Society of Professional Journalists, Sigma Delta Chi, 35 E. Wacker Dr., Chicago, Ill. 60601
209. Special Libraries Assn., 235 Park Ave. South, New York, N.Y. 10003
210. Speech Communications Assn., Statler Hilton Hotel, New York, N.Y. 10001
211. *State of California, Employment Development Dept., 800 Capitol Mall, Sacramento, Calif. 95814
212. *Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402
213. *U.S. Civil Service Commission, Washington, D.C. 20415
214. U.S. Dept. of Agriculture Research Service, Personnel Division, Federal Center Bldg., Hyattsville, Md. 20782
215. U.S. Dept. of Agriculture, Forest Service, Washington, D.C. 20250
216. U.S. Dept. of Commerce, Employment Information Center, Room 1050, Washington, D.C. 20230
217. U.S. Dept. of Commerce, National Oceanic and Atmospheric Adm., Personnel Division, Rockville, Md. 20852
218. U.S. Dept. of Commerce, Personnel Officer, Operations Division, Office of the Secretary, Washington, D.C. 20238
219. U.S. Dept. of Health, Education and Welfare, Food and Drug Adm., Rockville, Md. 20852

**SOURCE NUMBER**

220. U.S. Dept. of Health, Education and Welfare, Office of Education, Washington, D.C. 20202
221. U.S. Dept. of Health, Education and Welfare, Public Health Service, National Institutes of Health, Clinical Center, Bethesda, Md. 20014
222. U.S. Dept. of Health, Education and Welfare, Social and Rehabilitation Service, Washington, D.C. 20201
223. U.S. Dept. of Justice, Federal Bureau of Investigation, Washington, D.C. 20535
224. U.S. Dept. of Justice, Immigration and Naturalization Service, Washington, D.C. 20536
225. *U.S. Dept. of Labor, Bureau of Labor Statistics, Washington, D.C. 20212
226. U.S. Dept. of State, Employment Division, Washington, D.C. 20520
227. U.S. Dept. of State, Language Services Division, Washington, D.C. 20520
228. *U.S. Dept. of the Interior, Director of Personnel, Washington, D.C. 20240
229. U.S. Dept. of the Interior, Geological Survey, National Center, 12201 Sunrise Valley Dr., Reston, Va. 22092
230. U.S. Dept. of the Treasury, U.S. Bureau of Customs, 2100 K St., N.W. Washington, D.C. 20226
231. U.S. Dept. of the Treasury, Internal Revenue Service, Washington, D.C. 20224
232. U.S. Dept. of the Treasury, Internal Revenue Service, Director, Administrative Intern Program, 1111 Constitution Ave., N.W., Washington, D.C. 20224
233. U.S. Dept. of Transportation, Federal Aviation Administration, Washington, D.C. 20591
234. U.S. Securities and Exchange Commission, Director of Personnel, 500 N. Capitol St., N.W. Washington, D.C. 20549
235. Veterans Administration, Central Office Personnel Service, Washington, D.C. 20420
236. Writer's Digest, 9933 Alliance Rd., Cincinnati, Ohio 45242
237. Women in Communication, 8305-A Shoal Creek Blvd., Austin, Texas 78758

**ADDITIONAL SOURCES**

238. American Institute of Biological Sciences, 1401 Wilson Blvd., Arlington, Va. 22202
239. American Society of Plant Physiologists, Box 5706, Washington, D.C. 20014
240. Ecological Society of America, Dept. of Biology, Rutgers Univ., Camden, N.J. 08102
241. Pharmaceutical Advertising Club, 25 West 45th St., New York, N.Y. 10036
242. Professional Journalistic Society, 35 East Wacker Dr., Chicago, Ill. 60601
243. U.S. Dept. of Health, Education and Welfare, Office of Human Development, Office of Child Development, Washington, D.C. 20201
244. U.S. Dept. of Justice, Washington, D.C. 20530

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## COMMERCIAL PUBLISHERS AND GOVERNMENTAL SOURCES OF CAREER INFORMATION

It is suggested that for additional information you write for the bulletins or catalogs of pamphlets published by the agencies and companies listed below.

B'nai B'rith Career and Counseling Service, 1640 Rhode Island Ave., N.W., Washington, D.C. 20036. Request list of "Occupational Briefs."

Careers, Inc., Largo, Fla. 33540. Request list of "Career Briefs."

Chronicle Guidance Publications, Moravia, N.Y. 13118. Request list of "Occupational Briefs."

Institute for Research, 610 So. Federal St., Chicago, Ill. 60605. Request list of "Careers Monographs."

Science Research Associates, 259 East Erie St., Chicago, Ill. 60611. Request list of "Occupational Exploration Briefs."

State of California, Employment Development Department, 800 Capitol Mall, Sacramento, Calif. 95814. Request list of "Occupational Guides."

State of New Jersey, Department of Labor and Industry, Division of Planning and Research, Trenton, N.J. 08625. Request list of "Job Guides".

U.S. Department of Labor, Bureau of Labor Statistics, Washington, D.C. 20212. Request: List of "Reprints from the 1974-75 Occupational Outlook Handbook. Jobs for Which a College Education is Usually Required."

U.S. Government Printing Office, Superintendent of Documents, Washington, D.C. 20402. Request:

"Guide to Federal Career Literature—1975." Stock Number 0060-00791. Price $1.00.

"Federal Career Directory, 1975: A Guide for College Students." Stock Number 0600-00776. Price $2.50.

"Occupational Outlook for College Graduates 1974-75." Stock Number 2901-01084. Price $2.95.